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BOEING VERTOL CO PHILADELPHIA PA

CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)

1978 R AIELLO, J BENDO

N00019-75-C-0396

NL

UNCLASSIFIED

D210-11168-3-VOL-11

1 OF 4  
AD-  
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NATIONAL BUREAU OF STANDARDS  
MICROCOPY RESOLUTION TEST CHART



# BOEING

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NUMBER D210-11168-3-Volume 11 of 13  
VOL-11

TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT

STRESS SURVEY DATA, TABULATED  
Volume

LEVEL III

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VOL-11

TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT

STRESS SURVEY DATA, TABULATED

Volume XI.

FORWARD AND AFT ROTOR CONTROL LOADS.

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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL

## ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
1				31				61			
2				32				62			
3				33				63			
4				34				64			
5				35				65			
6				36				66			
7				37				67			
8				38				68			
9				39				69			
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20				50				80			
21				51				81			
22				52				82			
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**ACTIVE SHEET RECORD**

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
91				121				151			
92				122				152			
93				123				153			
94				124				154			
95				125				155			
96				126				156			
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108				138				168			
109				139				169			
110				140				170			
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115				145				175			
116				146				176			
117				147				177			
118				148				178			
119				149				179			
120				150				180			

FORM 40200 (7/67)



**ACTIVE SHEET RECORD**

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
181				211				241			
182				212				242			
183				213				243			
184				214				244			
185				215				245			
186				216				246			
187				217				247			
188				218				248			
189				219				249			
190				220				250			
191				221				251			
192				222				252			
193				223				253			
194				224				254			
195				225				255			
196				226				256			
197				227				257			
198				228				258			
199				229				259			
200				230				260			
201				231				261			
202				232				262			
203				233				263			
204				234				264			
205				235				265			
206				236				266			
207				237				267			
208				238				268			
209				239				269			
210				240				270			

FORM 40800 (7/67)

ACTIVE SHEET RECORD											
SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
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DATE: 8/28/78

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REV LTR  
MODEL NO.

ABSTRACT

This report volume presents tabulated forward and aft rotor control loads measured during the CH-46 Composite Rotor Blade Flight Stress Survey.

KEYWORDS

CH-46E  
Composite  
Rotor Blade  
Flight Stress Survey  
Alternating and Steady Loads

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#### REFERENCES

1. Vertol Report D210-11168-1 "CH-46 Composite Rotor Blade Flight Test Qualification Test Plan" March 30, 1977
2. Vertol Report D210-11168-2 "CH-46 Composite Rotor Blade Flight Test Report" May 15, 1978
3. Boeing Vertol Report D210-11168-3 Volume 1 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data
4. Boeing Vertol Report D210-11168-3 Volume 6 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Forward Rotating and Stationary Controls
5. Boeing Vertol Report D210-11168-3 Volume 7 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Aft Rotating and Stationary Controls

## 1. INTRODUCTION

A flight stress survey was conducted on a CH-46 helicopter with A02R1702 composite rotor blades. The test was conducted in accordance with Paragraphs 4.3.2 and 4.7 of Reference 1. General test description and pilot comments are included in Reference 2.

The tests were conducted at the Boeing Vertol Flight Test Facility at Ridley Township, Pennsylvania, during the period of June 1977 through November 1977.



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## 2. SUMMARY

A flight stress survey and structural demonstration was conducted on the #1 CH-46E Helicopter, BuNo. 153372 (S/N 2268).

The components under test were the A02R1702 composite rotor blades and the A02R1710 blade socket.

This volume contains measured steady and alternating forward and aft controls loads tabulated by flight and event number. This same data is shown plotted versus true airspeed and can be found in Volumes 6 and 7.

### 3. DATA PRESENTATION

This volume contains measured steady and alternating forward and aft rotor controls loads tabulated by flight and event number.

The tabulated load levels represent the maximum alternating load cycle occurring during the particular flight condition. This same data is shown plotted versus true airspeed and can be found in Volumes 6 and 7.

Identification and data codes of gage measurements included in this volume and also the order with which the tabulated data is presented can be found in the gage identification table on the next page. This tabulated order is adhered to for all flights. Section 3.3 presents a flight/page number indexing chart for all flights tabulated in this volume.

Detailed flight condition parameters and a complete tabulated summary of maneuvers for each flight can be found in Volume 1 of this report.

### 3.1 Gage Identification and Tabulation Sequence

Strain gage identification and instrumentation code information for data presented in this volume, as well as the order of tabulated data, are as follows:

<u>DATA CODE</u>		<u>MEASUREMENT</u>	
<u>ACTIVE</u>	<u>SPARE</u>	<u>NAME</u>	<u>UNITS</u>
41250	61250	Forward Pitch Link, Green Blade	(LB)
41320	61320	Forward Pitch Link, Yellow Blade	(LB)
41330	61360	Forward Pitch Link, Red Blade	(LB)
41340	41360	Forward Drive Scissors Arm	(LB)
43010	63010	Forward LH C/P Link	(LB)
43020	63020	Forward RH C/P Link	(LB)
43030	63030	Forward Lateral Link	(LB)
43040	63040	Forward Longitudinal Link	(LB)
43050	63050	Forward Coll/Pitch Yoke	(LB)
43640	63100	Forward Static Scissors	(LB)
45010	65010	Aft LH C/P Link	(LB)
45020	65020	Aft RH C/P Link	(LB)
45030	65030	Aft Lateral Link	(LB)
45040	65040	Aft Longitudinal Link	(LB)
45050	65050	Aft Coll/Pitch Yoke	(LB)
49250	69250	Aft Pitch Link, Green Blade	(LB)
49460	49440	Aft Drive Scissors Arm	(LB)
49580	69580	Aft Pitch Link, Red Blade	(LB)
49660	69660	Aft Pitch Link, Yellow Blade	(LB)
49670	65100	Aft Static Scissors	(LB)

- NOTES:
1. A complete description of the instrumentation for this stress survey can be found in Volume 1.
  2. A flight by flight summary of operative gages can be found in Reference 2.
  3. The spare gages were utilized when the active gages proved inoperable.



## 3.2 Sign Convention

The following table summarizes the sign convention adhered to for the gages presented in this volume.

<u>GAGE MEASUREMENT NAME</u>	<u>(+) POLARITY CONDITION</u>
Forward Pitch Link, Green Blade	Tension
Forward Pitch Link, Yellow Blade	Tension
Forward Pitch Link, Red Blade	Tension
Forward Drive Scissors Arm	Blade Lagging
Forward LH C/P Link	Tension
Forward RH C/P Link	Compression
Forward Lateral Link	Tension
Forward Longitudinal Link	Tension
Forward Coll/Pitch Yoke	Boost Actuator Extended
Forward Static Scissors	Swashplate CCW
Aft LH C/P Link	Tension
Aft RH C/P Link	Tension
Aft Lateral Link	Tension
Aft Longitudinal Link	Tension
Aft Coll/Pitch Yoke	Boost Actuator Extended
Aft Pitch Link, Green Blade	Tension
Aft Drive Scissors Arm	Blade Lagging
Aft Pitch Link, Red Blade	Tension
Aft Pitch Link, Yellow Blade	Tension
Aft Static Scissors	Swashplate CW



## 3.3 Flight Index Chart

<u>FLIGHT NUMBER</u>	<u>START OF TABULATION SEQUENCE</u>
--------------------------	---

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121 _____	67
122 _____	81
124 _____	88
126 _____	102
127 _____	109
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132 _____	123
133 _____	130
134 _____	144
135 _____	151
136 _____	158
137 _____	165
138 _____	172
139 _____	179
140 _____	193
141 _____	200
142 _____	214
143 _____	228
151 _____	242
161 _____	249
162 _____	256
163 _____	263
166 _____	270
167 _____	277
177 _____	284

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MODEL NO.

4. TABULATED DATA

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D210-11168-3  
VOLUME II

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114

TOW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
1	-84.81	64.56	120.50	98.06	69.03	59.03	1
2	-213.90	181.90	-133.30	178.80	-72.66	106.30	2
3	-178.70	217.10	-98.69	271.10	-125.80	218.40	3
4	-49.63	252.30	57.06	219.20	-90.38	135.80	4
5	-319.50	287.50	149.30	380.70	-66.75	253.90	5
6	-137.60	211.30	-277.50	438.40	-202.60	248.00	6
7	-231.50	234.70	51.28	501.80	-78.56	265.70	7
9	120.60	258.20	-612.10	646.10	187.10	177.10	9
10	-172.30	234.70	-265.90	392.30	-208.50	242.10	10
11	-202.20	158.40	-46.75	173.10	-102.20	159.40	11
12	-225.70	181.90	-116.00	242.30	-108.10	165.30	12
13	-213.90	264.00	-156.40	317.30	-143.50	212.50	13
14	-272.60	311.00	-202.50	351.90	-108.10	295.20	14
15	-278.50	399.00	-400.00	500.00	-167.20	330.70	15
16	-260.90	463.60	-214.00	478.80	-54.94	490.10	16
17	-478.00	704.20		400.00	-179.00	448.70	17
18	-301.90	622.00	-100.00	500.00	-255.70	572.70	18
19	-448.60	545.70	-1025.00	1797.00	-302.90	525.50	19
20	-196.30	305.10	432.00	697.90	-60.84	307.00	20
21	-219.80	246.50	100.00	300.00	-66.75	242.10	21
22	-190.40	334.40	33.97	426.80	-60.88	318.80	22
23	-343.00	357.90	201.30	548.00	-320.70	318.80	23
24	-566.00	557.40		400.00	-125.80	431.00	24
25	-155.30	416.60	-364.00	513.40	-90.41	348.30	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114  
TCGW 20800 TCCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	38.47	96.59	-27.59	107.40	1
2	-299.70	241.50	270.20	219.70	2
3	-212.70	280.20	177.40	244.10	3
4	-328.70	280.20	319.00	268.50	4
5	-261.00	338.10	221.30	356.30	5
6	-280.30	193.20	206.70	175.70	6
7	-251.30	251.20	255.50	292.90	7
9	14.28	111.10	6.56	131.80	9
10	-299.70	241.50	250.70	219.70	10
11	-232.00	260.80	260.40	307.50	11
12	-159.60	178.70	133.50	200.10	12
13	-111.30	198.00	99.31	224.60	13
14	-53.31	275.30	31.00	283.10	14
15	-34.00	400.90	6.59	405.20	15
16	-19.50	473.40	-8.06	478.40	16
17	-19.50	598.90	-27.59	605.30	17
18	-5.03	671.40	-42.25	688.30	18
19	-275.50	632.80	216.50	673.70	19
20	-130.60	246.30	84.66	268.50	20
21	-106.50	251.20	118.80	263.60	21
22	-193.40	338.10	143.30	375.90	22
23	-149.20	275.30	113.90	288.00	23
24	-275.50	497.50	304.30	488.20	24
25	-149.90	410.60	114.00	424.70	25



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VOLUME II

FLIGHT LOADS

CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114

TOWW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	-61.41	292.90	126.10	336.30	78.16	51.56	1
2	190.70	408.70	28.75	433.60	-260.10	189.80	2
3	33.97	483.70	2.22	991.20	-307.80	184.40	3
4	245.20	408.70	99.53	575.20	-358.50	293.00	4
5	81.66	545.00	55.31	1186.00	-270.30	371.90	5
6	102.10	320.20	-104.00	778.80	-236.70	253.90	6
7	-13.72	504.10	524.30	929.20	-338.20	278.90	7
8	-68.22	313.30	126.10	389.40	150.80	75.78	8
10	-143.20	456.40	-272.10	557.50	-287.40	212.50	10
11	-40.97	408.70	241.20	805.30	-311.70	246.10	11
12	-218.10	395.10	-281.00	601.80	-319.50	153.90	12
13	-313.50	381.50	-351.80	531.00	-360.10	118.00	13
14	-476.90	476.80	-387.20	708.00	-341.30	135.20	14
15	-613.20	653.90	-431.40	929.20	-337.40	201.60	15
16	-654.10	762.90	-493.40	955.80	-422.60	286.70	16
17	-640.40	912.80	-496.90	1071.00	-420.30	373.40	17
18	-688.10	974.10	-953.50	1186.00	-400.70	393.00	18
19	-729.00	1083.00	-457.90	1257.00	-500.00	350.00	19
20	-340.70	449.60	-77.44	646.00	-394.50	186.70	20
21	-177.20	476.80	-6.66	769.90	-350.70	168.00	21
22	-320.30	483.70	-369.50	725.70	-528.90	249.20	22
23	-224.90	470.00	-86.28	743.30	-533.60	260.10	23
24	-190.80	735.70	524.30	1283.00	-483.50	310.20	24
25	-415.60	565.40	-342.90	840.70	-517.90	275.80	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114

TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	8.25	37.52	24.97	126.10	92.50	114.80	1
2	7.66	13.48	-81.72	194.00	-3.13	200.80	2
3	24.66	50.41	-164.10	295.80	-46.16	272.50	3
4	1.80	18.17	-110.80	223.10	-98.75	210.40	4
5	14.70	75.62	-106.00	257.00	-151.30	243.80	5
6	12.35	34.59	-33.19	271.60	30.34	243.80	6
7	12.94	77.38	-159.30	291.00	-108.30	277.30	7
9	4.15	42.79	24.97	135.80	78.16	119.50	9
10	4.73	23.45	-275.70	213.40	-213.50	181.70	10
11	-0.54	31.07	-91.41	242.50	-89.19	229.50	11
12	8.84	24.04	-125.30	247.30	-127.40	229.50	12
13	14.70	21.69	-261.10	286.10	-203.90	239.10	13
14	35.80	38.10	-416.30	334.60	-309.10	210.40	14
15	45.77	55.11	-450.30	368.60	-342.60	205.60	15
16	57.49	63.31	-484.20	373.40	-400.00	243.80	16
17	70.98	79.14	-557.00	339.50	-514.70	329.90	17
18	82.11	94.97	-673.30	368.60	-553.00	387.30	18
19	86.22	109.60	-644.30	581.90	-605.60	382.50	19
20	14.70	32.24	-270.80	305.50	-199.20	263.00	20
21	9.42	28.14	-256.30	310.30	-180.00	282.10	21
22	12.94	41.04	-513.30	373.40	-490.80	392.10	22
23	10.01	40.45	-435.70	373.40	-436.00	416.00	23
24	40.49	62.73	-911.00	1440.00	-959.30	879.70	24
25	10.59	49.24	-1197.00	1106.00	-792.00	722.00	25

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VOLUME II

FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114  
TORG 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-55.03	233.00	49.66	453.60	-1113.00		1
2	-7.03	267.30	-229.50	628.00	-1113.00		2
3	-116.70	637.40	-255.70	968.20	-1113.00		3
4	47.81	445.50	-20.13	715.30	-1113.00		4
5	-41.31	438.60	-133.50	1247.00	-1113.00		5
6	54.63	507.20	232.80	671.70	-1099.00	14.00	6
7	-82.41	493.50	311.30	1029.00	-1104.00	8.63	7
9	-82.44	260.40	84.53	505.90	-1108.00	4.31	9
10	-315.40	383.80	-37.56	540.40	-1113.00		10
11	-96.13	342.70	-81.19	532.10	-1113.00		11
12	-164.70	411.20	-81.19	567.00	-1113.00		12
13	-384.00	466.10	-124.80	697.80	-1113.00		13
14	-610.20	596.30	-98.66	968.20	-1113.00		14
15	-747.30	774.50	-116.10	1212.00	-1113.00		15
16	-760.90	870.40	-212.00	1378.00	-1075.00	37.72	16
17	-774.70	1008.00	-360.30	1631.00	-1087.00	25.84	17
18	-774.70	1021.00	-560.90	1745.00	-1113.00		18
19	-630.80	1316.00	416.00	2425.00	-1113.00		19
20	-493.70	534.60	-142.20	767.60	-1113.00		20
21	-466.30	644.30	154.30	785.00	-1113.00		21
22	-363.40	527.80	-508.60	1099.00	-1113.00		22
23	-342.90	520.90	-587.10	1090.00	-1113.00		23
24	-370.30	3071.00	1131.00	3594.00	-1113.00		24
25	-1501.00	1981.00	-177.10	2652.00	-1065.00	47.41	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114  
TGGW 20800 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	93.38	62.63	-13.63	14.32	16.06	81.94	1
2	-9.13	142.40	11.83	27.05	-42.50	187.30	2
3	7.94	193.60	13.42	28.64	-65.91	210.70	3
4	-60.41	170.80	-2.49	41.37	-60.06	204.90	4
5	-37.59	262.00	22.96	63.64	4.34	234.20	5
6	-26.22	216.40	59.53	205.20	-77.59	316.10	6
7	-20.53	210.70	42.06	124.10	-77.59	245.80	7
9	64.91	56.97	-10.45	17.50	10.19	87.81	9
10	-66.06	142.40	21.37	36.59	-124.40	152.20	10
11	-54.69	108.20	10.23	38.18	-95.16	146.30	11
12	-71.78	125.30	5.46	58.87	-89.31	140.50	12
13	-100.30	187.90	7.05	50.91	-130.30	204.80	13
14	-117.30	318.90	35.69	41.37	-188.80	275.10	14
15	-145.80	381.60	56.38	58.87	-218.10	386.30	15
16	-140.10	421.40	62.74	58.87	-206.40	421.40	16
17	-145.80	472.70	69.10	65.23	-177.10	509.30	17
18	-145.80	484.10	67.51	66.82	-159.60	573.60	18
19	-231.30	535.30	54.78	57.28	-234.20	567.80	19
20	-100.30	244.90	11.83	62.05	-142.00	251.70	20
21	-100.30	233.50	3.87	57.28	-118.60	263.40	21
22	-231.20	307.50	19.78	89.10	-270.80	357.10	22
23	-162.90	296.10	21.37	106.60	-194.70	398.00	23
24	-590.00	1019.00	7.05	235.50	-481.50	930.70	24
25	-185.70	1002.00	92.96	219.50	-311.70	772.70	25



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114  
TGGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
1	-42.81	47.19	32.36	23.39	1
2	-60.47	159.20	52.26	32.18	2
3	-60.50	241.70	45.82	56.17	3
4	-131.20	159.20	56.94	57.93	4
5	-131.30	300.60	45.82	63.19	5
6	-125.30	306.50	75.08	122.90	6
7	-143.00	206.30	59.28	75.48	7
9	-1.56	53.06	68.64	25.16	9
10	-184.30	165.00	45.82	39.79	10
11	-107.70	135.60	54.01	42.13	11
12	-107.70	159.20	46.40	45.05	12
13	-148.90	200.40	32.36	45.05	13
14	-166.60	324.20	28.85	29.84	14
15	-131.30	394.90	39.38	46.22	15
16	-113.60	448.00	32.36	55.59	16
17	-125.30	589.50	32.36	68.46	17
18	-137.10	672.00	34.70	73.14	18
19	-302.20	577.70	23.59	67.87	19
20	-154.80	241.70	29.44	49.15	20
21	-131.20	253.50	4.28	54.41	21
22	-290.40	389.10	-12.11	54.41	22
23	-255.00	389.00	8.38	69.04	23
24	-431.80	1037.00	26.51	252.20	24
25	-449.50	890.10	2.52	132.20	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
1	-78.94	305.10	-162.10	299.90	-131.70	177.10	1
2	-55.47	340.30	-225.60	328.80	21.78	236.20	2
3	-20.28	340.30	62.81	236.50	-54.97	135.80	3
4	-114.20	246.50	-231.30	346.10	-102.20	183.00	4
5	-213.90	158.40	-81.38	184.60	-161.20	218.50	5
6	-237.40	158.40	-231.30	346.10	-54.97	124.00	6
7	-243.30	211.30	-40.97	167.30	-66.78	159.40	7
9	-249.10	240.60	-46.75	219.20	-60.88	200.80	9
10	-243.30	223.00	-41.00	190.40	-54.97	171.20	10
11	-137.60	352.10	-58.31	196.10	-60.88	200.80	11
12	-255.00	281.70	-35.22	242.30	-78.56	230.30	12
13	-219.80	269.90	-17.91	225.00	-60.88	224.40	13
14	-202.20	322.70	-29.47	305.70	-54.94	289.30	14
15	-213.90	311.00	-29.47	282.70	-37.25	295.20	15
16	-225.70	334.50	10.94	253.80	-84.47	259.80	16
17	-255.00	375.50	-41.00	271.10	-108.10	318.80	17
18	-255.00	352.10	-52.53	317.30	-84.47	295.20	18
19	-554.30	827.40	-139.00	542.20	-125.80	513.70	19
20	-600.00	1000.00	-250.00	500.00	-232.10	726.20	20
21	-208.00	281.70	-35.22	230.70	-54.97	242.10	21
22	-231.50	305.10	-250.00	500.00	-54.97	218.50	22
23	-266.70	234.70	-6.63	219.20	-54.97	206.70	23
24	-395.80	586.80	-12.16	380.70	-60.88	436.90	24
25	-348.90	610.30	-87.13	455.70	-220.30	431.00	25
26	-400.00	500.00	-392.90	761.40	-350.20	785.30	26
27	-500.00	700.00	-600.00	700.00	-415.10	826.60	27
28	-161.10	516.40	-52.53	317.30	-84.50	342.40	28
29	-225.60	311.00	-40.97	305.70	-54.94	289.30	29
30	-167.00	369.70	28.22	305.70	-137.60	312.90	30
31	-577.70	850.80	-254.40	623.00	-149.40	572.70	31
32	-249.10	346.20	-41.00	328.80	-125.80	289.30	32
33	-337.10	575.10	-58.31	357.60	-72.69	330.60	33
34	-208.10	305.10	-12.16	265.30	-54.94	301.10	34
35	-513.20	645.50	-277.50	588.40	-96.28	436.90	35
36	-472.10	651.30	-306.30	744.10	-161.20	596.30	36
37	-454.00	1056.00	-196.80	588.40	-190.80	649.50	37
38	-519.00	815.70	-81.38	519.10	-125.80	549.10	38
39	-448.60	710.00	-127.50	519.20	-119.90	543.20	39
40	-700.00	1500.00	-346.70	784.50	-356.10	791.20	40
41	-243.30	199.50	16.69	178.80	-13.63	177.10	41
42	-272.60	228.80	68.59	230.70	-37.25	212.60	42
43	-260.80	240.60	-156.40	340.30	-161.30	289.30	43
44	-167.00	299.30	-116.00	380.70	74.94	277.50	44
45	-307.80	252.30	-41.00	213.40	-49.06	224.40	45
46	-213.90	264.00	-98.66	363.40	98.56	277.50	46
47	-202.20	111.50	-294.80	374.90	-1.84	70.84	47
48	-190.40	146.70	-260.20	374.90	57.22	165.30	48

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AIRCRAFT SLP1 FLIGHT 115  
TGGW 20800 TCCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
49	-202.20	181.90	-162.20	346.10	51.31	206.60	49
50	-208.00	176.00	-225.60	340.30	-31.34	135.80	50
51	-237.40	252.30	-508.30	646.10	-25.44	236.20	51
52	-307.80	264.10	-242.90	473.00	-96.28	224.30	52
53	-219.80	223.00	-502.40	628.80	-78.59	194.80	53
54	-213.90	181.90	50.00	200.00	-43.16	159.40	54
55	-143.50	311.00	-340.90	536.40	-31.34	265.70	55
56	-237.40	205.40	-358.30	496.10	-90.38	230.30	56
57	-96.56	264.10	-346.70	576.80	-25.44	212.60	57
58	-319.50	217.10	-375.60	548.00	-66.78	183.00	58
59	-296.10	240.60	-317.90	467.30	-125.80	183.00	59
60	-255.00	469.40	-100.00	200.00	-173.10	442.80	60
61	-213.90	299.30			-19.53	253.90	61



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TORGW 20800 TORG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	-337.10	476.10	-323.80	236.70	239.70	219.70	1
2	-332.30	480.80	-207.90	188.40	182.30	190.40	2
3	-373.40	439.80	-198.20	178.70	187.20	185.50	3
4	-326.00	487.10	-178.90	178.70	157.90	185.50	4
5	7.95	45.79	-222.40	193.20	201.80	200.10	5
6	15.85	63.16	-217.50	198.00	201.80	190.40	6
7	45.85	52.10	-169.30	188.40	143.30	239.20	7
9	50.59	56.84	-178.90	217.30	143.30	248.90	9
10	49.01	55.26	-169.30	217.40	153.00	229.40	10
11	44.27	53.68	-169.30	227.00	138.30	263.60	11
12	56.90	60.00	-164.40	299.50	128.60	322.20	12
13	56.90	56.84	-178.90	323.60	167.70	361.20	13
14	61.64	64.74	-193.40	483.00	236.00	527.20	14
15	64.80	74.21	-198.20	468.50	216.50	507.70	15
16	60.04	69.47	-111.30	410.60	148.10	439.30	16
17	37.96	69.47	-96.81	463.70	84.66	493.00	17
18	63.22	66.31	-343.10	603.80	377.50	649.20	18
19	90.06	102.60	-821.30	1314.00	831.50	1367.00	19
20	115.30	118.40	-864.80	1309.00	914.50	1430.00	20
21	56.90	60.00	-121.00	333.30	123.70	375.80	21
22	39.53	52.10	-91.94	188.40	114.00	258.70	22
23	41.11	44.21	-82.31	169.10	99.31	244.10	23
24	88.48	82.11	-531.50	966.00	567.90	1015.00	24
25	94.79	94.74	-3000.00	4500.00	504.50	981.20	25
26	83.74	99.47	-4000.00	6500.00	753.40	1318.00	26
27	128.00	121.60	-1000.00	1500.00	1056.00	1503.00	27
28	94.79	94.74	-454.20	763.20	489.80	820.10	28
29	60.06	60.00	-198.20	449.20	221.30	502.80	29
30	71.11	64.74	-217.60	565.10	231.10	610.20	30
31	99.53	102.60	-758.50	1328.00	772.90	1445.00	31
32	55.32	55.26	-164.40	531.30	167.70	546.70	32
33	64.80	90.00	-434.90	792.20	445.90	854.30	33
34	61.64	67.89	-116.10	454.00	133.50	493.00	34
35	77.43	105.80	-710.20	1135.00	719.30	1157.00	35
36	77.43	83.68	-797.20	1087.00	636.30	1181.00	36
37	69.54	75.79	-1048.00	1512.00	1041.00	1577.00	37
38	82.17	85.26	-734.40	1188.00	753.40	1269.00	38
39	82.17	88.42	-589.50	1043.00	616.80	1133.00	39
40	112.20	115.30	-1077.00	1415.00	1041.00	1508.00	40
41	33.22	42.63	-62.97	159.40	99.31	175.80	41
42	41.11	44.21	-130.60	188.40	153.00	200.10	42
43	49.01	48.95	-58.16	164.20	79.81	185.50	43
44	44.27	53.68	-48.50	202.90	143.30	200.10	44
45	37.96	50.53	52.94	207.70	45.63	190.40	45
46	25.32	56.84	-67.81	241.50	118.80	214.80	46
47	30.06	48.95	-227.20	188.40	196.90	175.80	47
48	39.53	52.10	-145.10	299.50	84.66	307.50	48

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TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
49	45.85	58.42	-96.81	357.40	70.03	361.20	49
50	30.06	61.58	-207.90	285.00	187.20	263.60	50
51	1.64	71.05	-386.60	367.10	348.30	336.80	51
52	56.90	60.00	-207.90	236.70	94.44	248.90	52
53	-7.84	83.68	-275.50	217.40	304.30	244.10	53
54	37.96	47.37	-43.69	188.40	60.25	195.30	54
55	41.11	53.68	19.13	347.80	30.97	312.40	55
56	36.38	45.79	-29.16	193.20	74.91	209.90	56
57	36.38	45.79	-43.66	333.30	118.80	322.20	57
58	53.74	72.63	-164.40	270.50	182.30	278.30	58
59	6.38	53.68	-183.70	231.30	211.60	249.00	59
60	50.00	100.00	-5.03	507.20	1.69	507.70	60
61			-246.50	371.90	255.50	400.30	61

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AIRCRAFT SLP1 FLIGHT 115

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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	-95.47	449.60	134.90	610.60	-264.80	252.30	1
2	-177.20	408.70	-289.80	522.10	-378.10	135.90	2
3	-177.20	395.10	-272.10	469.00	-336.70	135.20	3
4	-163.60	395.10	-263.30	495.60	-323.40	137.50	4
5	-102.30	401.90	-174.80	495.60	-335.90	137.50	5
6	-122.70	408.70	-183.60	504.40	-323.40	135.90	6
7	-368.00	381.50	99.56	557.50	-334.30	200.00	7
9	-388.40	415.50	64.16	592.30	-337.40	240.60	9
10	-354.30	395.10	55.28	531.00	-315.60	220.30	10
11	-368.00	408.70	46.44	628.30	-329.60	253.10	11
12	-408.80	422.30	-59.72	681.40	-311.70	321.10	12
13	-333.90	401.90	232.30	690.30	-368.70	375.00	13
14	-402.00	538.10	73.00	884.90	-374.90	418.70	14
15	-320.30	510.90	90.72	831.80	-397.60	396.10	15
16	-252.20	470.00	444.70	1080.00	-343.70	387.50	16
17	-204.50	531.30	665.90	840.70	-291.40	439.80	17
18	-143.20	688.00	409.30	885.00	-371.80	421.90	18
19	340.50	1580.00	214.60	1717.00	-341.40	452.30	19
20	449.50	1635.00	400.40	1973.00	-336.70	457.00	20
21	-286.20	354.20	320.80	920.30	-294.50	316.40	21
22	-340.70	381.50	179.20	743.30	-279.60	198.40	22
23	-327.10	367.80	152.60	734.50	-235.10	188.30	23
24	33.97	1124.00	382.80	1283.00	-356.20	437.50	24
25	74.84	1056.00	250.00	1540.00	-334.30	459.40	25
26	401.80	1614.00	303.10	2106.00	-290.60	503.10	26
27	633.40	1901.00	515.50	2549.00	-337.40	456.20	27
28	6.72	933.20	444.70	973.40	-350.70	443.00	28
29	-340.70	463.20	55.28	920.30	-390.60	403.10	29
30	-163.60	613.10	232.30	1133.00	-324.20	469.50	30
31	544.90	1717.00	524.30	2204.00	-195.30	598.40	31
32	-442.90	538.10	196.90	849.50	-349.20	444.50	32
33	136.20	1090.00	488.90	1566.00	-339.80	453.90	33
34	-347.50	456.40	232.30	849.60	-374.20	419.50	34
35	40.78	1172.00	320.80	1752.00	-337.40	456.20	35
36	-75.03	1396.00	338.50	1628.00	-374.90	418.70	36
37	442.70	1764.00	710.20	2177.00	-367.90	425.80	37
38	388.20	1519.00	674.80	2142.00	-332.80	460.90	38
39	395.00	1308.00	621.70	1947.00	-353.90	439.80	39
40	504.00	1962.00	692.50	2619.00	-383.50	410.10	40
41	-279.40	401.90	338.50	460.20	-216.40	121.10	41
42	-259.00	476.80	533.20	477.90	-288.20	158.60	42
43	-361.20	401.90	86.28	566.30	-244.50	177.30	43
44	-279.40	497.30	-289.80	929.20	-215.60	195.30	44
45	-361.20	442.80	267.70	495.60	-290.60	350.00	45
46	-415.60	470.00	542.00	716.80	-239.00	192.20	46
47	129.30	333.80	-6.63	362.80	-245.30	123.40	47
48	-6.91	606.30	-68.56	867.20	-260.10	166.40	48



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-61.41	606.30	-148.30	1018.00	-226.50	187.50	49
50	68.03	381.50	143.80	690.30	-222.60	274.20	50
51	251.90	647.10	559.70	858.40	-252.30	294.50	51
52	-13.72	545.00	90.72	654.80	-417.10	206.20	52
53	-27.34	531.30	55.31	690.30	-318.70	185.90	53
54	-177.20	367.80	-112.80	628.30	-239.80	189.80	54
55	-224.90	756.10	-130.50	1000.00	-189.00	145.30	55
56	-211.30	497.30	-165.90	504.40	-219.50	341.40	56
57	-122.70	640.30	-15.47	1027.00	-214.80	155.50	57
58	-102.30	647.20	-121.70	601.80	-294.50	174.20	58
59	-197.70	579.00	-86.31	584.10	-377.30	216.40	59
60	-613.20	817.40	-378.30	1018.00	-442.10	270.30	60
61	-170.40	701.60	28.75	734.50	-368.70	425.00	61

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AIRCRAFT SLP1 FLIGHT 115  
TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	15.87	25.21	-169.00	194.00	-50.94	191.30	1
2	15.29	22.28	-227.20	194.00	-170.50	157.80	2
3	15.29	21.11	-202.90	169.30	-160.90	148.20	3
4	14.70	21.69	-202.90	179.40	-180.00	157.80	4
5	11.77	21.10	-173.80	169.70	-156.10	153.00	5
6	11.77	21.10	-169.00	164.90	-156.10	143.40	6
7	29.35	44.55	-232.00	266.70	-203.90	239.10	7
9	25.84	46.90	-241.70	257.00	-232.60	239.10	9
10	28.18	42.21	-236.90	232.30	-242.20	229.50	10
11	24.66	49.24	-246.60	261.90	-223.10	239.10	11
12	30.53	52.76	-275.70	252.20	-251.80	210.40	12
13	24.08	51.00	-261.10	247.30	-242.20	200.80	13
14	19.97	75.04	-256.30	271.60	-275.70	243.80	14
15	18.80	75.04	-217.50	261.90	-256.50	224.70	15
16	31.70	68.00	-314.50	436.50	-342.60	377.70	16
17	28.77	63.90	-280.50	518.90	-347.40	449.40	17
18	9.42	82.07	-261.10	247.30	-280.40	210.40	18
19	-9.34	151.20	-299.90	315.20	-337.80	296.40	19
20	-18.71	177.00	-406.60	489.80	-452.60	430.30	20
21	22.32	55.11	-198.10	300.70	-247.00	263.00	21
22	29.35	63.31	-164.20	315.20	-180.00	272.50	22
23	28.77	67.42	-164.20	354.00	-165.70	306.00	23
24	12.94	120.80	-324.20	387.90	-390.40	349.00	24
25	-3.47	129.00	-299.90	470.40	-371.30	425.50	25
26	-15.20	172.30	-382.40	659.50	-481.30	573.80	26
27	-9.34	214.60	-396.90	625.60	-452.60	573.80	27
28	-4.65	94.97	-343.60	368.60	-313.90	310.80	28
29	27.01	73.87	-241.70	257.00	-270.90	239.10	29
30	29.94	87.35	-236.90	320.10	-218.30	263.00	30
31	5.91	201.70	-246.60	407.30	-175.30	334.70	31
32	41.08	72.69	-290.30	237.60	-146.60	210.40	32
33	27.01	117.20	-256.30	320.10	-232.60	315.60	33
34	31.11	74.45	-304.80	349.20	-342.60	291.70	34
35	-7.58	137.80	-338.80	509.20	-414.30	468.60	35
36	-19.89	136.00	-348.40	489.80	-419.10	435.10	36
37	-28.68	182.30	-329.00	354.00	-333.00	329.90	37
38	-16.37	180.60	-333.90	611.00	-428.70	549.80	38
39	-18.13	172.90	-256.30	581.90	-342.60	511.60	39
40	-11.68	234.50	-309.70	577.10	-423.90	525.90	40
41	25.25	62.73	-106.00	305.50	-108.30	239.10	41
42	19.97	64.48	-144.80	324.90	-165.70	267.80	42
43	31.70	60.97	-135.00	324.90	-146.60	267.80	43
44	7.08	84.42	-149.60	446.20	-180.00	358.60	44
45	37.56	65.66	-115.70	354.00	-103.50	291.70	45
46	13.53	62.72	-47.78	373.40	16.00	315.60	46
47	7.08	11.72	-13.81	135.80	-41.38	143.40	47
48	11.77	24.62	-13.81	252.20	-41.38	258.20	48



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TORGW 20800 TORG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	15.29	48.07	-42.91	310.30	-93.97	301.20	49
50	2.39	16.41	-72.00	213.40	-98.75	229.50	50
51	22.32	31.66	10.41	266.70	25.56	258.20	51
52	12.35	35.76	-120.50	455.90	-132.20	435.10	52
53	5.32	35.76	-81.69	426.80	-27.03	396.80	53
54	11.77	30.48	-47.78	315.20	-70.06	286.90	54
55	16.46	57.45	15.28	485.00	-41.38	478.10	55
56	16.46	34.00	-52.59	388.00	-3.13	372.90	56
57	15.29	43.38	24.97	407.30	59.03	463.80	57
58	21.15	39.86	-105.90	441.30	11.22	444.70	58
59	15.87	35.76	-91.41	426.80	-70.06	411.20	59
60	48.11	69.18	-479.40	368.60	-366.50	229.50	60
61	-6.40	43.97	-101.10	407.30	-89.19	382.50	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TGW 20300 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-315.50	329.00	-72.47	575.70	-103.80	140.10	1
2	-425.10	329.00	-81.19	549.50	-165.30	78.68	2
3	-390.80	308.40	-28.84	514.70	-162.00	64.67	3
4	-390.30	322.10	-72.47	540.80	-166.30	68.98	4
5	-336.00	294.70	-55.03	505.90	-168.50	73.29	5
6	-329.20	301.60	6.06	479.80	-176.00	67.90	6
7	-623.90	404.40	206.70	505.90	-205.10	178.90	7
9	-617.00	411.20	206.70	523.30	-233.20	178.90	9
10	-575.90	383.80	189.20	471.00	-245.00	184.30	10
11	-603.30	411.30	250.30	514.70	-238.60	190.80	11
12	-658.20	411.20	241.60	558.30	-226.70	118.60	12
13	-637.60	404.40	224.10	540.80	-226.70	120.70	13
14	-610.20	377.00	224.10	540.80	-237.50	202.60	14
15	-521.10	383.80	241.60	837.40	-206.20	214.50	15
16	-349.70	719.70	712.60	1605.00	-305.40	410.70	16
17	-473.10	801.90	145.60	1335.00	-276.30	381.60	17
18	-562.20	329.00	-20.16	767.60	-242.90	199.40	18
19	-569.10	349.60	-168.40	915.90	-296.80	268.40	19
20	-527.90	760.80	599.20	2294.00	-359.30	432.20	20
21	-459.40	815.60	1166.00	2093.00	-373.30	564.80	21
22	-493.70	466.10	625.30	959.50	-191.10	287.80	22
23	-541.60	541.40	276.40	837.40	-167.40	212.30	23
24	-480.00	1028.00	1549.00	2547.00	-394.90	676.90	24
25	-589.60	534.60	346.20	1588.00	-324.80	423.60	25
26	-493.70	987.00	712.60	2948.00	-428.30	578.80	26
27	-637.60	1158.00	276.40	3088.00	-486.50	626.20	27
28	-665.00	404.40	-72.47	1221.00	-255.80	343.90	28
29	-569.00	377.00	276.40	645.50	-228.90	209.10	29
30	-630.80	479.80	276.40	1082.00	-229.90	259.80	30
31	-527.90	664.80	75.81	1282.00	-357.10	358.90	31
32	-569.10	431.80	75.84	846.10	-207.30	232.80	32
33	-486.80	472.90	773.60	1282.00	-273.10	326.60	33
34	-486.80	527.80	180.50	1369.00	-266.60	326.60	34
35	-212.70	1008.00	1541.00	2904.00	-325.90	573.40	35
36	-356.60	781.30	869.60	2442.00	-380.90	438.70	36
37	-548.50	603.10	573.00	2250.00	-348.50	399.90	37
38	-479.90	1275.00	738.80	3166.00	-468.10	620.90	38
39	-480.00	1220.00	1166.00	2965.00	-438.00	605.80	39
40	-637.60	1076.00	773.70	3079.00	-510.20	602.50	40
41	-466.30	452.40	206.70	872.30	-44.54	108.90	41
42	-521.10	507.20	128.20	950.80	-99.53	159.50	42
43	-521.10	493.50	259.00	942.10	-87.65	141.20	43
44	-274.30	658.00	-168.40	1125.00	-35.22	198.30	44
45	-493.70	479.80	189.20	924.60	-24.06	209.10	45
46	-507.40	603.10	581.80	1160.00	-98.43	180.00	46
47	-61.88	281.00	-89.91	715.30	-134.00	62.52	47
48	-171.50	500.30	110.70	1125.00	-145.90	208.10	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-219.50	520.90	-107.30	1151.00	-123.30	226.40	49
50	-96.13	383.80	-28.88	776.30	-74.72	216.70	50
51	-34.47	431.80	878.30	1038.00	-196.50	170.30	51
52	-329.20	781.30	-552.20	1038.00	-159.90	308.30	52
53	-185.30	623.70	-212.00	1082.00	-60.71	265.20	53
54	-377.20	555.20	-255.60	1021.00	-40.23	139.00	54
55	-281.20	884.10	-151.00	1875.00	-20.85	259.80	55
56	-260.60	630.60	-98.63	1090.00	-12.20	201.60	56
57	-96.13	644.30	-2.66	1605.00	-29.45	195.10	57
58	-171.50	637.40	-403.90	1274.00	-146.90	301.80	58
59	-329.20	685.40	-98.63	1160.00	-139.40	279.20	59
60	-836.40	849.90	-229.50	1605.00	-242.90	320.10	60
61	-246.90	699.10	-159.70	1134.00	-281.70	387.00	61

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TBGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	19.34	148.00	11.83	36.59	-19.06	175.60	1
2	-77.47	131.00	15.01	30.23	-112.70	128.80	2
3	-66.09	119.60	13.42	28.64	-95.16	111.20	3
4	-77.47	131.00	11.83	30.23	-101.00	117.10	4
5	-77.47	96.78	15.01	30.23	-106.90	99.50	5
6	-83.19	102.50	15.01	27.05	-106.90	87.81	6
7	-83.16	216.40	-0.90	74.78	-153.70	216.60	7
9	-100.30	210.70	16.60	73.19	-159.60	222.40	9
10	-111.60	199.30	13.42	70.00	-165.40	204.80	10
11	-88.84	210.70	16.60	70.01	-171.30	210.70	11
12	-111.70	222.10	22.96	66.82	-159.60	222.40	12
13	-94.53	216.40	22.96	60.46	-171.30	222.40	13
14	-88.88	199.30	21.37	65.23	-153.70	240.00	14
15	-117.30	205.00	15.01	77.96	-147.80	245.80	15
16	-236.90	415.70	21.37	106.60	-118.60	357.10	16
17	-180.00	313.20	-5.67	108.20	-206.40	292.70	17
18	-134.40	210.70	24.55	74.78	-171.30	222.40	18
19	-134.40	233.50	30.92	84.32	-136.20	245.80	19
20	-180.00	381.50	46.83	141.60	-183.00	351.20	20
21	-200.00	450.00	24.55	87.50	-159.60	456.60	21
22	-117.30	239.20	13.42	82.73	-89.31	292.70	22
23	-128.70	262.00	16.60	85.92	-159.60	269.30	23
24	-271.10	643.50	45.24	114.60	-264.90	608.80	24
25	-111.60	256.30	27.74	122.50	-153.70	275.10	25
26	-191.40	529.60	51.60	184.60	-194.70	526.80	26
27	-236.90	552.40	45.24	184.60	-259.10	509.30	27
28	-128.70	262.00	30.92	100.20	-147.80	281.00	28
29	-105.90	205.00	26.15	60.46	-165.40	228.30	29
30	-94.54	261.90	30.92	71.60	-200.50	275.10	30
31	-100.30	290.40	32.51	108.20	-188.80	310.30	31
32	-134.40	199.30	.69	60.46	-183.00	222.40	32
33	-111.60	244.90	22.96	76.37	-130.30	240.00	33
34	-94.53	364.50	32.51	85.92	-118.60	298.50	34
35	-248.30	461.30	40.46	97.05	-247.30	450.70	35
36	-276.80	341.70	40.46	97.05	-323.40	351.20	36
37	-259.70	449.90	27.74	119.30	-212.30	321.90	37
38	-316.70	666.30	37.28	186.10	-253.20	585.30	38
39	-254.00	626.40	54.79	143.20	-253.20	538.50	39
40	-231.30	535.30	53.19	170.20	-183.00	468.30	40
41	-37.63	193.60	-4.08	49.32	-147.80	234.20	41
42	-77.47	222.10	13.42	57.28	-147.80	234.20	42
43	-37.59	216.40	3.87	60.46	-142.00	240.00	43
44	-20.50	290.40	10.24	66.82	-36.63	275.10	44
45	-37.63	193.60	3.87	47.73	-136.20	245.80	45
46	42.13	227.80	-16.81	68.41	-95.16	275.10	46
47	-54.69	96.81	8.65	23.86	-60.06	134.60	47
48	-94.56	193.60	-0.90	36.59	-36.63	181.40	48



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AIRCRAFT SLP1 FLIGHT 115  
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-123.00	199.30	-7.27	42.96	-36.63	204.90	49
50	-37.59	136.70	-2.49	31.32	-71.75	158.10	50
51	-54.69	176.60	7.05	44.55	-71.75	216.60	51
52	-71.75	250.60	-5.67	98.64	-48.34	263.40	52
53	2.25	199.30	-23.18	90.69	-71.75	251.70	53
54	-31.94	199.30	-19.99	65.23	-7.38	257.60	54
55	7.94	239.20	-7.27	81.14	33.63	333.60	55
56	2.25	165.10	-13.63	62.05	-42.47	210.70	56
57	47.81	210.70	-18.40	73.19	33.63	251.70	57
58	-54.69	210.70	-.90	100.20	-77.59	234.20	58
59	-66.09	222.10	-13.63	81.14	-83.44	251.70	59
60	-134.40	404.30	45.24	57.28	-194.70	433.20	60
61	-94.56	250.60	.69	108.20	-60.06	251.70	61

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AIRCRAFT SLP1 FLIGHT 115

TGGW 20300 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
1	-72.28	147.30	44.65	36.28	1
2	-160.70	153.30	25.34	33.35	2
3	-143.00	135.60	30.61	32.77	3
4	-143.00	135.60	28.85	33.35	4
5	-137.10	117.90	28.27	30.43	5
6	-125.30	117.90	28.27	30.43	6
7	-148.90	176.80	35.29	31.60	7
8	-148.90	176.80	31.19	28.67	8
10	-131.30	170.90	29.44	29.25	10
11	-131.20	182.70	25.93	28.09	11
12	-125.30	188.60	27.10	26.91	12
13	-119.40	182.80	20.66	26.33	13
14	-78.19	224.00	15.98	28.67	14
15	-19.25	247.60	17.73	30.43	15
16	-60.50	501.10	25.93	51.49	16
17	-119.40	394.90	13.05	66.70	17
18	-131.30	206.30	25.34	28.67	18
19	-160.70	282.90	25.93	38.62	19
20	-125.30	459.80	23.59	69.04	20
21	-78.19	601.30	35.88	68.46	21
22	10.22	288.80	11.88	38.62	22
23	-66.41	235.80	10.13	35.69	23
24	-160.70	719.20	26.51	83.67	24
25	4.34	389.00	21.25	65.53	25
26	-137.10	577.70	20.66	94.20	26
27	-219.70	601.30	24.17	91.86	27
28	-125.30	341.90	30.61	62.02	28
29	-72.28	218.10	4.86	29.26	29
30	-137.10	235.80	9.55	39.79	30
31	-160.70	306.50	6.62	49.73	31
32	-72.31	206.30	17.15	36.86	32
33	-1.56	300.60	16.57	46.81	33
34	-84.09	347.80	23.00	43.88	34
35	-190.20	701.50	37.04	67.29	35
36	-154.80	465.70	11.88	70.21	36
37	-190.20	383.20	18.91	69.04	37
38	-190.20	666.10	45.24	100.10	38
39	-137.10	672.00	23.59	86.60	39
40	-101.80	589.50	26.51	91.86	40
41	-42.81	138.60	-5.08	18.14	41
42	-48.69	206.30	-3.33	24.57	42
43	-42.81	200.40	-4.40	25.16	43
44	-42.81	247.60	4.28	28.67	44
45	-60.50	206.30	-17.37	39.79	45
46	39.72	247.60	-8.01	52.66	46
47	-42.81	94.31	14.81	34.52	47
48	4.34	212.20	16.57	55.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115  
TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
49	10.25	241.70	8.38	55.00	49
50	-89.97	141.50	14.22	46.81	50
51	-48.72	218.10	11.88	49.15	51
52	-113.50	271.20	6.03	80.74	52
53	-60.50	241.70	4.86	66.70	53
54	-7.44	224.00	-8.59	68.46	54
55	51.50	330.10	10.13	109.40	55
56	-42.81	235.80	4.28	83.67	56
57	63.31	318.30	50.50	80.74	57
58	-89.97	271.20	-2.74	84.84	58
59	-60.50	277.10	9.55	78.40	59
60	-95.88	430.30	19.49	59.10	60
61	-48.69	300.60	27.10	73.72	61

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-196.30	211.30	10.00	200.80	2
3	-190.40	181.90	-25.44	165.30	3
4	-249.10	299.30	-84.47	295.20	4
5	-213.90	322.70	-13.63	236.20	5
6	-202.20	416.60	-78.56	301.10	6
7	-231.50	399.00	-54.97	312.90	7
8	-325.40	258.20	-155.30	236.20	8
9	-219.80	387.30	-66.78	372.00	9
10	-255.00	539.80	-54.97	549.10	10
11	-325.40	492.90	-243.90	442.80	11
12	-137.60	586.80	-78.59	537.30	12
13	-255.00	446.00	-190.80	436.90	13
14	-260.80	487.00	-96.28	684.90	14
15	-225.70	534.00	-279.30	419.20	15
16	-284.30	393.20	-114.00	336.60	16
17	-249.10	381.40	-119.90	330.70	17
18	-249.10	428.40	-226.20	413.30	18
19	-290.20	410.80	-214.40	389.70	19
20	-301.90	457.70	-143.50	330.70	20
21	-225.70	487.00	-190.80	401.50	21
22	-372.30	492.90	-78.56	466.40	22
23	-284.30	463.60	-114.00	419.20	23
24	-319.50	651.30	-96.31	543.20	24
25	-272.60	287.50	-119.90	259.80	25
26	-260.80	299.30	-119.90	259.80	26
27	-249.10	299.30	-78.56	253.90	27
28	-296.10	357.90	-119.90	342.50	28
29	-178.70	146.70	4.06	112.20	29
30	-343.00	369.70	-131.70	342.50	30
31	-266.80	410.80	-119.90	354.30	31
32	-319.50	475.30	-161.30	490.10	32
33	-307.80	428.30	-114.00	360.20	33
34	-278.50	528.10	-143.50	472.30	34
35	-337.10	445.90	-114.00	395.60	35
36	-407.60	504.60	-202.60	460.50	36
37	-407.50	586.80	-249.80	602.30	37
38	-249.10	264.10	-43.16	253.90	38
39	-178.70	346.20	-1.84	283.40	39
40	-196.30	305.10	-7.75	265.70	40
41	-225.60	299.30	-19.53	230.30	41
42	-155.30	252.30	10.00	153.50	42



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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116  
TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	37.95	91.58	-285.20	275.30	250.60	278.30	2
3	1.64	93.16	-275.50	275.30	348.30	327.10	3
4	17.44	112.10	-410.80	313.90	421.50	292.90	4
5	9.53	110.50	-434.90	309.10	441.00	322.20	5
6	-34.64	129.50	-82.28	381.60	118.80	380.70	6
7	20.00	50.00	-579.80	425.10	577.70	400.30	7
8	4.80	80.53	-77.47	212.50	177.40	253.80	8
9	0.00	40.00	-217.60	429.90	153.00	473.50	9
10	80.00	80.00	-111.30	565.20	182.30	659.00	10
11	40.00	80.00	-169.20	555.50	172.50	610.20	11
12	40.00	100.00	-217.50	671.40	275.10	722.40	12
13	-1.00	-1.00	-34.00	429.90	45.63	444.20	13
14	40.00	100.00	-149.90	748.70	245.80	829.80	14
15	40.00	45.00	-19.50	463.70	26.09	473.50	15
16	-365.50	447.60	-29.16	386.40	30.97	410.00	16
17	-368.60	444.50	-34.00	391.30	21.22	410.00	17
18	40.00	45.00	38.44	463.70	-47.13	478.40	18
19	40.00	40.00	-24.34	400.90	40.72	410.00	19
20	40.00	60.00	-116.10	463.70	79.78	497.90	20
21	20.00	60.00	-82.31	449.20	84.66	463.70	21
22	-356.00	457.10	-53.31	536.10	-56.91	556.50	22
23	40.00	70.00	-1.19	550.60	1.69	566.30	23
24	60.00	80.00	125.40	714.80	-164.30	742.00	24
25	-25.20	101.10	-34.00	246.30	21.22	263.60	25
26	-14.15	80.53	-24.34	227.00	21.22	244.10	26
27	28.48	60.00	-19.50	251.20	50.50	253.80	27
28	11.11	74.21	-63.00	275.30	50.50	292.90	28
29	33.22	42.63	-256.20	188.40	250.70	170.80	29
30	60.00	60.00	48.09	318.80	-8.06	331.90	30
31	20.00	100.00	72.28	371.90	-17.84	390.50	31
32	80.00	100.00	159.20	381.60	1.69	410.10	32
33	49.01	102.60	28.78	347.80	30.97	361.20	33
34	80.00	120.00	120.60	439.60	79.78	449.10	34
35	80.00	100.00	48.13	425.10	11.47	449.10	35
36	40.00	100.00	9.47	357.40	40.75	371.00	36
37	-1.00	-1.00	-285.20	661.70	397.10	717.60	37
38	-1.00	-1.00	-309.30	376.80	353.20	410.00	38
39	20.00	140.00	-304.50	439.50	299.50	463.70	39
40	9.53	148.40	-236.90	362.30	270.20	395.40	40
41	19.01	157.90	-285.20	420.20	319.00	454.00	41
42	30.04	58.42	-328.60	260.80	328.70	258.70	42

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP: FLIGHT 116  
TORG 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	20.34	470.00	64.16	858.40	-292.90	244.50	2
3	33.97	497.30	294.30	893.80	-364.00	246.90	3
4	136.20	599.50	-652.70	955.70	-433.50	352.30	4
5	156.60	606.30	179.20	1027.00	-389.00	385.90	5
6	-306.70	510.90	-440.30	991.10	-432.80	360.90	6
7	170.20	742.50	267.70	1168.00	-443.70	350.00	7
8	-347.50	524.50	-174.80	743.30	-393.70	200.00	8
9	-613.20	626.70	-157.10	831.80	-505.40	288.30	9
10	-817.60	831.10	135.00	1372.00	-483.50	310.20	10
11	-667.70	667.60	444.70	1823.00	-413.20	380.50	11
12	-640.40	871.90	683.60	1690.00	-464.80	328.90	12
13	-565.50	701.60	-112.80	1159.00	-560.10	233.60	13
14	-844.80	1158.00	701.30	1956.00	-500.70	293.00	14
15	-558.70	708.40	37.59	1097.00	-407.00	310.10	15
16	-572.30	681.20	-227.90	867.20	-376.50	184.40	16
17	-613.20	722.10	-360.60	876.10	-367.90	207.00	17
18	-408.80	844.70	-334.10	1221.00	-390.60	309.40	18
19	-585.90	640.30	-413.70	1018.00	-399.90	318.70	19
20	-579.10	688.00	-422.60	1062.00	-342.90	407.00	20
21	-483.80	919.60	-360.60	1319.00	-397.60	335.10	21
22	-558.70	1117.00	-272.10	1549.00	-397.60	364.80	22
23	-667.70	858.30	-528.80	1080.00	-348.40	445.30	23
24	-1036.00	1131.00	-511.10	1841.00	-414.80	378.90	24
25	-463.30	476.80	-334.10	690.30	-325.70	152.30	25
26	-449.70	449.60	-413.70	734.50	-317.90	169.50	26
27	-395.20	408.70	-396.00	716.80	-223.40	220.30	27
28	-524.60	524.50	-174.80	743.30	-389.80	272.70	28
29	136.20	408.70	73.03	442.50	-222.60	122.60	29
30	-483.80	606.30	-289.80	964.60	-515.60	278.10	30
31	-538.30	619.90	-537.60	1053.00	-467.10	326.60	31
32	-633.60	674.40	-422.60	1487.00	-260.90	303.10	32
33	-620.00	592.70	-502.20	1142.00	-276.50	273.40	33
34	-674.50	701.60	-803.10	1460.00	-341.40	285.10	34
35	-551.90	619.90	-670.40	1257.00	-299.90	231.20	35
36	-633.60	606.30	-608.40	1124.00	-514.00	279.70	36
37	-681.30	1008.00	568.60	1735.00	-441.40	352.30	37
38	-109.10	585.80	329.60	1230.00	-266.40	375.80	38
39	-177.20	831.10	267.70	1044.00	-392.90	400.80	39
40	-258.90	749.30	250.00	920.30	-279.60	384.40	40
41	-238.50	674.40	188.10	1035.00	-381.20	412.50	41
42	149.80	449.60	19.91	690.30	-351.50	267.20	42

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# FLIGHT LOADS

## CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	4.15	36.93	-333.90	436.40	-299.60	439.20	2
3	-8.75	31.07	-183.50	373.40	-194.40	401.60	3
4	42.84	46.31	-304.80	572.20	-323.50	569.00	4
5	2.98	34.59	-503.60	800.20	-481.30	736.30	5
6	34.04	57.45	-493.90	586.80	-500.40	583.30	6
7	8.84	42.79	-513.30	887.40	-572.10	769.80	7
8	5.91	39.86	-343.60	281.30	-137.00	258.20	8
9	-1.72	47.48	-333.90	291.00	-285.20	243.80	9
10	39.90	100.80	-852.80	829.30	-423.90	583.30	10
11	31.70	87.93	-460.00	494.70	-342.60	368.20	11
12	41.66	99.07	-527.80	552.80	-519.50	545.10	12
13	33.44	72.11	-566.70	543.20	-452.60	420.80	13
14	58.08	123.70	-624.90	581.90	-567.30	554.60	14
15	49.29	70.35	-396.90	421.90	-285.20	291.70	15
16	38.15	54.52	-435.70	354.00	-352.20	215.20	16
17	38.72	52.76	-411.50	339.50	-309.10	219.90	17
18	36.39	71.52	-387.20	373.40	-270.90	315.60	18
19	43.42	64.48	-396.90	383.10	-352.20	253.40	19
20	46.36	66.24	-353.30	368.60	-347.40	315.60	20
21	45.77	111.40	-285.40	601.30	-137.00	392.10	21
22	82.11	98.48	-547.30	407.40	-471.70	334.70	22
23	53.39	80.31	-513.30	373.40	-423.90	277.30	23
24	84.46	123.10	-581.20	625.60	-428.70	521.20	24
25	42.25	39.86	-295.10	310.40	-261.30	239.10	25
26	39.91	46.90	-329.00	344.30	-266.10	263.00	26
27	39.91	51.59	-246.60	358.80	-165.70	258.20	27
28	42.25	45.72	-343.60	388.00	-247.00	291.70	28
29	5.90	12.90	-13.81	116.40	-12.69	133.90	29
30	54.56	39.69	-270.80	470.40	-237.40	492.50	30
31	64.53	110.20	-227.20	514.10	-170.50	396.80	31
32	62.18	123.10	-406.60	645.00	-290.00	506.80	32
33	83.87	107.30	-261.10	509.20	-194.40	420.80	33
34	69.22	144.20	-411.50	514.00	-41.38	459.00	34
35	63.94	123.70	-227.20	552.80	-141.80	416.00	35
36	68.04	110.20	-547.30	543.10	-423.90	439.90	36
37	48.11	144.20	-571.50	654.70	-419.10	521.20	37
38	.04	55.11	-115.70	635.30	-208.70	635.90	38
39	5.32	46.31	-159.30	533.40	-270.90	525.90	39
40		40.00	-110.80	417.10	-70.06	392.10	40
41	2.97	40.45	-173.80	460.70	-227.80	406.40	41
42	9.42	16.41	29.81	179.40	92.50	191.30	42



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FLIGHT LOADS

CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

TOW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-651.30	719.70	-142.30	1099.00	-303.20	471.00	2
3	-404.60	555.20	189.20	1099.00	-192.20	420.40	3
4	-397.70	740.20	-1198.00	2032.00	-303.20	520.60	4
5	-658.20	1110.00	-229.50	2495.00	-436.90	626.20	5
6	-55.00	1138.00	1454.00	2416.00	-301.10	794.30	6
7	-678.70	1350.00	-587.10	3254.00	-442.30	644.60	7
8	-665.00	623.70	40.91	1108.00	-276.30	265.20	8
9	-671.80	493.50	-238.20	881.00	-149.10	202.60	9
10	-1200.00	1700.00	2526.00	3367.00	-377.60	735.10	10
11	-870.60	1076.00	895.80	2259.00	-551.10	516.30	11
12	-1111.00	1261.00	1733.00	2922.00	-384.10	728.60	12
13	-856.90	939.00	1306.00	2477.00	-536.00	484.00	13
14	-1138.00	1275.00	1445.00	3035.00	-389.50	723.20	14
15	-966.60	870.40	302.60	1753.00	-255.80	343.90	15
16	-891.20	795.10	-194.60	1500.00	-206.20	279.20	16
17	-822.70	685.40	6.03	1265.00	-212.70	216.70	17
18	-856.90	1008.00	-499.90	1945.00	-108.20	377.20	18
19	-829.50	815.60	-246.90	1431.00	-126.50	369.70	19
20	-898.10	788.20	-203.30	1526.00	-152.30	404.20	20
21	-863.80	1124.00	171.80	1570.00	-197.60	358.90	21
22	-1042.00	1014.00	-212.00	2338.00	-239.60	372.90	22
23	-925.50	966.40	-229.50	1745.00	-104.90	503.30	23
24	-1117.00	1528.00	-665.60	2041.00	-262.80	571.30	24
25	-733.60	568.90	-124.80	1134.00	-123.20	163.80	25
26	-795.20	562.00	-72.44	1256.00	-112.40	144.40	26
27	-740.40	616.80	-81.19	1178.00	-81.21	229.60	27
28	-781.50	630.50	363.70	1448.00	-281.70	225.30	28
29	-164.70	205.60	-220.80	619.30	-95.20	90.54	29
30	-726.70	836.20	-422.00	1806.00	-217.00	380.50	30
31	-863.80	781.30	-360.30	1492.00	-94.14	296.40	31
32	-932.30	986.90	-787.70	1971.00	-20.84	361.10	32
33	-774.70	788.20	-316.70	1483.00	-.38	265.10	33
34	-987.20	863.60	433.50	1867.00	-57.49	302.90	34
35	-863.80	836.20	-264.40	1692.00	-54.25	263.00	35
36	-1035.00	1008.00	267.70	2922.00	-329.10	783.60	36
37	-1145.00	939.00	791.10	2905.00	-388.40	625.20	37
38	-288.10	645.40	-2.69	1500.00	-161.00	529.20	38
39	-123.50	740.20	-159.70	1274.00	-346.30	529.20	39
40	-500.50	733.40	-360.30	1108.00	-349.60	429.00	40
41	-198.90	623.70	-238.20	933.30	-294.60	445.20	41
42	-137.30	315.30	-72.44	697.80	85.86	187.50	42



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# FLIGHT LOADS

## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

TOW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-191.30	313.20	7.06	165.50	-124.40	292.70	2
3	-151.50	250.60	21.37	132.10	-118.60	310.20	3
4	-145.80	472.70	16.60	216.40	-188.80	415.60	4
5	-191.40	438.50	26.14	213.20	-218.10	538.50	5
6	-191.30	518.20	-26.36	183.00	-229.80	538.50	6
7	-191.40	552.40	-15.22	146.40	-346.90	573.60	7
8	-151.50	284.80	38.87	92.28	-142.00	240.00	8
9	-140.10	239.20	13.42	63.64	-177.10	228.30	9
10	-533.00	996.60	143.90	184.60	-627.80	995.10	10
11	-88.84	381.50	61.15	70.00	-212.30	439.00	11
12	-128.70	922.50	85.01	198.90	-212.20	485.80	12
13	-180.00	461.30	65.92	81.14	-229.80	468.30	13
14	-214.10	837.10	64.33	136.80	-264.90	456.60	14
15	-191.40	449.90	62.74	68.41	-188.80	427.30	15
16	-162.90	387.30	51.60	60.46	-188.80	392.20	16
17	-145.80	336.00	48.42	50.91	-171.30	327.80	17
18	-140.10	387.30	21.37	58.87	-183.00	421.50	18
19	-140.10	364.50	38.87	66.82	-206.40	386.30	19
20	-162.90	387.30	59.56	71.60	-188.80	392.20	20
21	-71.78	432.80	15.01	90.69	-112.70	515.10	21
22	-140.10	432.80	53.19	58.87	-171.30	538.50	22
23	-162.90	444.20	62.74	65.23	-194.70	456.60	23
24	-191.40	529.60	27.74	192.50	-206.40	597.10	24
25	-145.80	301.80	19.78	44.55	-130.30	275.10	25
26	-111.70	279.00	24.55	55.68	-147.80	269.30	26
27	-94.56	330.30	.69	76.37	-83.47	310.20	27
28	-140.10	387.30	8.65	74.78	-130.30	368.80	28
29	2.25	142.40	3.87	22.27	-7.34	163.90	29
30	-174.30	410.00	27.74	154.30	-136.10	444.90	30
31	-100.30	392.90	40.46	132.10	-101.00	444.80	31
32	-94.56	444.20	35.69	114.60	-124.40	468.30	32
33	-157.20	392.90	-24.77	82.73	-7.34	444.80	33
34	-54.69	381.60	2.28	132.10	-188.80	509.30	34
35	-145.80	392.90	24.55	90.69	-142.00	450.70	35
36	-140.10	820.10	72.26	230.70	-188.80	591.20	36
37	-145.80	654.90	83.40	187.70	-247.40	591.20	37
38	-123.00	279.00	16.60	168.60	-124.40	339.50	38
39	-88.84	210.70	21.37	116.10	-101.00	304.40	39
40	-3.44	250.60	-10.45	90.69	-42.47	362.90	40
41	-49.00	216.40	11.83	103.40	-60.03	263.40	41
42	7.97	113.90	-5.67	28.64	-19.06	175.60	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-137.10	306.50	58.69	83.09	2
3	-107.70	277.00	45.23	66.12	3
4	-219.70	471.60	14.22	106.50	4
5	-296.30	560.00	25.34	82.50	5
6	-196.10	506.90	41.14	106.50	6
7	-343.40	654.30	28.27	93.62	7
8	-148.90	294.70	37.63	78.40	8
9	-166.60	253.50	14.81	55.58	9
10	-756.10	1032.00	24.76	111.20	10
11	-172.50	448.00	23.59	52.66	11
12	-355.30	618.90	31.78	108.80	12
13	-266.80	506.90	28.27	70.21	13
14	-184.30	624.80	23.59	101.80	14
15	-107.70	395.00	32.95	72.55	15
16	-101.80	377.30	27.10	63.19	16
17	-143.00	371.30	18.91	44.47	17
18	-143.00	394.90	20.66	53.24	18
19	-125.30	389.00	6.03	56.17	19
20	-107.70	418.50	5.45	62.61	20
21	-89.97	507.00	44.07	76.65	21
22	-48.69	524.60	24.17	64.95	22
23	-125.30	483.30	14.22	63.19	23
24	-125.30	577.70	51.67	97.13	24
25	-137.10	282.90	-6.25	36.86	25
26	-131.20	288.80	-9.77	39.20	26
27	-72.23	324.20	-16.79	48.56	27
28	-190.20	336.00	-15.03	50.32	28
29	-1.53	123.80	27.10	28.09	29
30	-78.19	436.20	-0.99	86.60	30
31	-107.70	418.50	1.35	66.70	31
32	-260.90	489.30	23.59	80.75	32
33	-107.70	442.10	-5.67	67.87	33
34	-219.60	506.90	-9.77	71.97	34
35	-137.10	424.40	1.94	70.80	35
36	-178.40	583.60	-30.24	104.20	36
37	-231.50	683.80	-24.39	113.50	37
38	-84.09	383.20	9.54	83.09	38
39	-225.60	359.60	54.01	77.23	39
40	-101.80	259.40	27.10	69.04	40
41	-89.97	283.00	69.81	74.31	41
42	-56.38	117.90	72.15	36.86	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT 41250SDY 41250ALT 41330SDY 41330ALT EVENT

1	*****	*****	*****	*****	1
2	-213.30	198.30	-87.47	122.30	2
17	-207.50	192.40	-145.70	168.90	17
18	-207.50	169.10	-104.90	116.50	18
19	-213.30	198.30	-69.97	221.30	19
20	-207.50	169.10	-139.90	186.40	20
21	-306.60	209.90	-169.00	157.30	21
23	-248.30	233.20	110.60	215.50	23
24	-265.80	262.30	116.40	209.70	24
25	-120.00	104.90	-58.34	151.50	25
26	-108.30	69.97	17.38	64.06	26
27	31.56	268.20	-5.91	99.03	27
28	-160.80	367.30	-174.80	244.70	28
29	-312.40	320.70	-204.00	285.40	29
30	-254.10	262.40	-110.80	215.50	30
32	-242.50	332.30	-186.50	314.60	32
33	-312.40	448.90	-221.40	361.10	33
34	-207.50	309.00	-104.90	302.90	34
35	-55.91	379.00	-233.10	314.50	35
36	-207.50	297.30	-64.16	273.80	36
37	-213.30	186.60	-128.20	128.20	37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	#####	#####	#####	#####	#####	#####	1
2	41.76	67.44	-335.80	267.50	325.30	253.40	2
17	-310.00	462.10	-379.60	233.50	393.60	214.40	17
18	30.00	70.00	-258.00	209.20	252.30	180.30	18
19	47.89	61.31	-180.20	316.20	179.10	292.40	19
20	57.09	67.44	-282.30	252.90	281.50	248.50	20
21	20.00	70.00	-277.40	209.10	271.70	199.80	21
23	-325.30	446.80	-146.10	184.80	169.40	165.70	23
24	-356.00	416.10	-14.81	131.30	32.94	155.90	24
25	-368.20	403.90	-141.30	111.90	96.31	141.30	25
26	6.51	22.99	-82.88	102.10	96.31	131.60	26
27	-359.10	413.10	-82.88	131.30	62.19	165.70	27
28	-293.10	479.00	-258.00	228.60	364.30	263.10	28
29	-316.10	456.00	-248.30	325.90	301.00	365.50	29
30	66.28	119.60	-350.40	272.40	374.10	292.40	30
32	-326.90	445.30	-296.90	277.20	335.10	272.90	32
33	31.03	136.40	-330.90	272.40	359.40	277.80	33
34	40.00	180.00	-399.00	437.70	456.70	472.70	34
35	20.00	80.00	-374.70	423.20	437.40	443.50	35
36	40.00	80.00	-350.40	418.30	383.80	428.80	36
37	-351.40	420.70	-296.90	218.90	325.30	175.40	37



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	*****						1
2	221.50	416.90	19.91	601.70	-354.30	268.70	2
17	-58.69	382.70	-77.44	769.80	-296.50	332.80	17
18	50.66	341.70	19.91	601.70	-373.00	243.70	18
19	-140.70	533.10	214.60	1026.00	-333.90	173.40	19
20	57.50	457.90	-68.56	460.10	-395.60	361.70	20
21	-65.50	375.90	-42.03	663.70	-426.10	256.20	21
23	173.70	287.00	329.60	681.30	-67.56	153.90	23
24	-92.84	293.80	-42.03	592.80	-93.34	126.50	24
25	16.50	293.90	205.80	504.40	-66.00	85.14	25
26	-24.50	252.90	37.59	407.00	-97.24	78.89	26
27	-120.20	307.50	-59.75	645.90	-85.53	140.60	27
28	-10.84	498.90	-298.60	1150.00	-374.60	290.60	28
29	-133.80	580.90	-369.40	1221.00	-414.40	382.00	29
30	105.30	519.40	64.13	1425.00	-387.80	327.30	30
32	-10.84	526.20	-431.30	805.20	-348.00	448.40	32
33	37.00	628.80	-528.70	1310.00	-290.20	506.20	33
34	-45.03	765.40	303.10	1292.00	-348.00	448.40	34
35	-38.19	744.90	320.80	1186.00	-353.50	442.90	35
36	-58.69	738.10	311.90	1195.00	-365.20	431.20	36
37	-140.70	396.40	73.00	778.70	-328.50	291.40	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TGGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	*****						1
2	4.18	13.47	-199.50	218.20	-175.30	216.00	2
17	9.45	18.74	-238.30	227.90	-213.70	244.80	17
18	5.35	20.50	-204.40	193.90	-180.10	201.60	18
19	15.30	21.08	-228.60	266.70	-204.10	264.00	19
20	4.18	15.81	-218.90	218.20	-199.30	220.80	20
21	3.59	28.11	-223.80	213.30	-204.10	196.80	21
23	-8.12	53.88	-54.09	130.90	7.13	120.00	23
24	17.65	43.34	-72	155.20	-7.28	134.40	24
25	-2.27	36.31	13.81	150.30	21.50	153.60	25
26	11.20	26.36	-39.50	135.80	-12.09	129.60	26
27	18.32	39.82	-34.69	160.00	-12.13	148.80	27
28	23.50	39.82	-83.16	247.30	-184.90	244.80	28
29	28.13	39.82	-49.22	281.20	-55.28	288.00	29
30	5.35	25.18	-194.70	320.00	-237.70	326.40	30
32	4.76	31.63	-170.40	315.10	-242.50	350.40	32
33	1.25	24.60	-233.40	387.90	-261.70	436.80	33
34	-4.02	57.98	-325.60	751.50	-545.00	758.50	34
35	3.59	55.05	-403.20	848.50	-602.50	835.30	35
36	2.42	52.71	-257.70	392.70	-242.50	340.80	36
37	12.96	26.94	-160.70	189.10	-156.10	177.60	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TORG 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	*****						1
2	-90.09	322.60	-88.69	571.40	-160.90	179.70	2
17	-110.70	343.20	-124.40	625.00	-151.20	200.20	17
18	-110.70	343.20	-303.00	625.00	-142.60	127.00	18
19	-110.70	562.90	-383.30	1205.00	-168.40	187.30	19
20	-90.09	350.10	-169.10	598.20	-111.40	203.40	20
21	-21.44	322.60	-481.50	642.80	-114.60	159.30	21
23	-35.19	240.30	27.38	473.20	103.90	72.11	23
24	-62.66	226.50	-133.30	491.00	101.70	78.56	24
25	-55.78	233.40	.59	482.10	103.90	117.30	25
26	-83.22	219.70	-169.10	473.20	99.55	65.65	26
27	-21.47	267.70	9.50	526.80	121.00	136.60	27
28	81.53	453.00	268.40	714.30	-144.80	223.90	28
29	-110.70	521.70	107.70	964.20	-155.50	342.20	29
30	-186.20	638.40	-472.60	1062.00	-98.48	330.40	30
32	109.00	494.20	-436.90	883.90	-204.00	433.70	32
33	-62.66	569.70	-329.80	955.30	-225.50	470.30	33
34	-296.00	940.40	107.70	1696.00	-281.40	657.60	34
35	-426.50	1373.00	268.40	2286.00	-364.30	652.20	35
36	-282.30	652.10	259.50	1187.00	-294.30	429.40	36
37	-124.40	238.30	-329.80	580.30	17.76	123.80	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
TOWW 24300 TCCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	#####						1
2	-47.50	113.60	21.65	34.82	-112.30	180.30	2
17	-19.13	130.60	18.49	37.99	-141.40	186.10	17
18	-30.47	119.20	27.98	31.65	-123.90	168.70	18
19	3.59	198.70	23.23	49.06	-135.60	273.30	19
20	-13.44	181.70	23.23	49.06	-71.59	186.10	20
21	-70.22	170.30	21.65	107.60	-112.30	203.50	21
23	71.72	62.47	1.08	23.74	-13.44	116.30	23
24	88.75	68.13	-2.09	23.74	-19.25	110.50	24
25	88.75	79.50	-3.67	28.49	-25.06	127.90	25
26	100.10	79.47	-2.09	17.41	-25.06	116.30	26
27	83.04	96.50	4.24	30.07	-30.88	122.10	27
28	-92.91	227.10	29.56	77.55	-89.03	261.70	28
29	-115.60	249.80	27.98	79.13	-118.10	279.20	29
30	-87.25	221.40	21.65	98.13	-118.10	279.20	30
32	-19.13	255.50	8.99	114.00	-77.41	273.30	32
33	-36.16	272.50	45.39	99.71	-106.50	279.20	33
34	-212.20	312.30	40.64	151.90	-275.10	447.80	34
35	-206.50	386.10	32.73	153.50	-298.40	482.70	35
36	-58.88	204.40	20.07	115.50	-199.50	302.40	36
37	-24.78	159.00	-3.67	31.65	-71.59	197.70	37



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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117  
THGW 24300 TCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT 49670SDY 49670ALT EVENT

1	#####	1
2	32.07	39.20 2
17	62.50	43.88 17
18	56.65	40.37 18
19	64.84	56.75 19
20	57.23	47.98 20
21	59.57	70.21 21
23	63.67	27.50 23
24	61.33	25.16 24
25	59.57	26.91 25
26	59.57	23.40 26
27	55.48	31.01 27
28	73.62	56.17 28
29	84.15	64.36 29
30	60.74	70.21 30
32	65.43	66.70 32
33	60.74	78.40 33
34	25.05	73.14 34
35	31.49	98.30 35
36	65.43	69.04 36
37	53.72	35.11 37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-30.72	355.30	-265.70	314.40	2
3	-223.00	233.00	-160.90	209.60	3
5	-257.90	314.60	-283.20	390.00	5
6	-252.10	332.10	-201.70	285.30	6
7	-269.60	372.80	-242.40	337.70	7
8	-205.50	448.60	-382.10	477.40	8
9	-205.50	215.50	-137.60	174.60	9
10	-188.00	198.10	-114.30	163.00	10
11	-176.30	174.80	-114.30	151.30	11
12	-170.50	180.60	-114.30	139.70	12
13	-188.00	186.40	-131.80	168.80	13
15	-269.50	291.30	-143.40	320.20	15
16	-234.60	279.60	-213.30	273.60	16
17	-252.10	285.50	-172.50	267.80	17
18	-304.50	291.30	-224.90	285.30	18
19	-182.20	203.90	-131.80	157.20	19
20	-193.80	203.90	-166.70	180.50	20
21	-176.30	326.20	-155.10	250.30	21
22	-252.10	215.50	-178.40	203.80	22
23	-257.90	268.00	-178.40	215.40	23
24	-257.90	268.00	-236.60	215.40	24
25	-170.50	320.40	-149.30	256.20	25
26	-135.60	343.70	-230.80	291.10	26
27	-123.90	378.70	-172.60	209.60	27
28	-257.90	268.00	-195.80	221.20	28
29	-281.20	302.90	-79.41	349.30	29
30	-112.30	378.70	-79.41	326.00	30
31	-199.70	407.80	-300.60	430.80	31
32	-199.60	419.40	-347.20	454.10	32
33	-65.66	495.20	-294.80	425.00	33
34	-123.90	495.20	-248.20	425.00	34
35	-257.90	302.90	-178.40	285.30	35
36	-415.20	460.20	-201.70	308.50	36
37	-141.40	501.00	-131.80	483.20	37
38	-176.40	501.00	42.84	599.60	38
39	-71.50	454.40	-172.60	326.00	39
40	-292.90	337.90	-172.50	302.70	40
41	-257.90	431.10	-131.80	366.80	41
42	-234.60	431.10	-195.80	419.20	42
43	-281.20	407.80	-294.80	425.00	43
44	-368.60	623.30	-56.13	652.00	44
45	-298.70	413.60	-277.30	360.90	45
46	-263.70	262.20	-126.00	267.80	46
47	-246.30	349.50	-56.13	349.30	47
48	-281.20	326.20	-190.00	285.30	48
49	-298.70	355.40	31.22	378.40	49
50	-240.40	378.70	-230.80	372.60	50

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TOW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
51	-275.40	402.00	-102.70	349.30	51
52	-147.30	390.30	-108.50	378.40	52

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119

TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-160.90	217.20	344.00	258.00	2
3	-146.40	222.00	183.40	253.10	3
5	-107.80	270.30	120.10	277.50	5
6	-83.66	304.10	90.88	306.70	6
7	-64.38	362.00	71.41	374.80	7
8	-45.06	419.90	51.94	423.50	8
9	-156.10	212.40	154.20	233.70	9
10	-180.20	207.50	193.10	243.40	10
11	-223.70	222.00	246.70	267.70	11
12	-262.30	231.70	309.90	262.80	12
13	-310.60	289.60	160.00	250.00	13
15	-127.10	251.00	124.90	243.40	15
16	-88.50	231.70	134.70	233.60	16
17	-49.91	202.70	71.41	199.60	17
18	-165.70	222.00	159.00	238.50	18
19	-325.00	294.50	329.40	272.60	19
20	-363.70	323.40	392.70	365.10	20
21	-378.10	289.60	319.70	321.30	21
22	-387.80	337.90	402.40	355.30	22
23	-156.10	251.00	261.30	253.10	23
24	-223.70	231.70	256.40	258.00	24
25	-156.10	308.90	163.90	331.00	25
26	-267.10	284.80	271.00	292.10	26
27	-189.90	226.90	241.80	262.80	27
28	-189.90	246.20	227.20	277.50	28
29	-204.40	415.10	198.00	462.40	29
30	-136.80	492.30	160.00	250.00	30
31	-103.00	323.40	90.88	345.60	31
32	-88.50	299.30	71.41	316.40	32
33	-122.30	381.30	124.90	418.60	33
34	-103.00	371.70	90.91	394.30	34
35	-88.53	260.70	90.88	277.40	35
36	-54.72	294.50	56.81	292.10	36
37	-136.80	482.70	173.60	506.30	37
38	-83.69	777.10	100.60	890.80	38
39	-78.88	270.30	90.88	306.70	39
40	-45.06	275.10	100.60	296.90	40
41	-35.41	352.30	110.30	365.10	41
42	-136.80	521.30	168.80	530.60	42
43	-49.91	386.20	17.88	408.90	43
44	-199.50	593.70	198.00	657.20	44
45	-54.72	381.30	-6.47	404.00	45
46	51.47	217.20	-25.97	228.80	46
47	37.00	251.00	3.28	267.70	47
48	-189.90	207.60	222.30	233.60	48
49	-160.90	304.10	168.80	306.70	49
50	-252.60	308.90	271.00	301.80	50



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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
51	-20.94	212.40	61.66	219.00	51
52	-349.20	492.30	417.00	554.90	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119

TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-119.60	429.10	-179.20	706.60	-431.50	144.40	2
3	-323.90	388.30	-338.20	477.00	-426.00	140.50	3
5	-467.00	476.80	-470.70	609.50	-461.20	169.40	5
6	-494.20	517.70	-461.80	688.90	-440.90	147.60	6
7	-541.90	592.60	-497.20	795.00	-471.30	179.60	7
8	-644.10	694.80	-479.50	1078.00	-466.60	209.30	8
9	-289.90	381.40	-302.80	530.00	-438.50	160.80	9
10	-140.00	354.20	-249.80	600.60	-409.60	149.10	10
11	-112.80	395.00	-188.00	697.80	-397.90	171.80	11
12	-65.09	456.30	-99.66	750.80	-380.00	172.50	12
13	-24.25	456.30	315.40	847.90	-390.90	260.00	13
15	-453.30	476.80	-426.50	600.60	-505.70	209.30	15
16	-432.90	456.30	-541.30	609.40	-433.10	206.90	16
17	-392.00	401.80	-373.50	600.60	-358.10	256.90	17
18	-398.80	435.90	-444.20	618.30	-537.70	295.90	18
19	-37.88	483.60	41.66	697.80	-451.80	300.60	19
20	-3.81	504.00	350.80	918.60	-474.40	276.40	20
21	-146.80	538.10	50.47	918.60	-476.00	351.40	21
22	37.06	558.50	183.00	980.40	-497.90	301.40	22
23	-269.50	456.30	-170.30	750.80	-524.40	256.10	23
24	-262.70	476.80	-179.20	724.30	-526.00	215.50	24
25	-228.60	524.40	-161.50	653.60	-529.10	231.10	25
26	-249.00	490.40	-2.53	830.30	-547.80	276.40	26
27	-323.90	497.20	-135.00	733.10	-484.60	192.80	27
28	-276.30	476.80	-126.20	706.60	-494.80	192.10	28
29	-480.60	572.10	-99.66	1245.00	-447.90	306.10	29
30	-528.30	592.60	-205.70	1263.00	-501.00	332.60	30
31	-501.00	538.10	-391.20	600.60	-552.50	253.00	31
32	-514.60	538.10	15.16	777.30	-582.20	249.80	32
33	-521.40	531.30	-249.80	918.60	-548.60	285.00	33
34	-548.70	572.10	-29.03	962.80	-534.60	299.10	34
35	-467.00	504.00	-267.50	653.60	-473.70	150.70	35
36	-501.00	456.30	-453.00	644.80	-497.10	172.50	36
37	-657.70	694.70	-37.88	1502.00	-515.80	317.80	37
38	-725.80	1103.00	262.50	1661.00	-472.10	361.50	38
39	-487.40	524.50	-196.80	918.60	-433.80	284.20	39
40	-426.10	490.40	-347.00	662.40	-402.60	271.70	40
41	-562.30	653.90	-258.70	1245.00	-454.20	293.60	41
42	-644.10	830.90	-541.30	1457.00	-536.90	270.20	42
43	-637.20	715.20	-417.70	927.40	-410.40	296.70	43
44	-705.30	960.30	-876.90	1528.00	-475.20	358.40	44
45	-569.10	633.40	-426.50	1007.00	-433.80	284.20	45
46	-473.80	483.60	-214.50	600.60	-294.90	204.60	46
47	-501.00	524.50	-276.30	786.10	-355.80	270.20	47
48	-378.40	524.40	-29.03	786.10	-540.80	292.80	48
49	-657.70	408.70	-302.80	830.30	-498.60	267.80	49
50	-678.10	497.20	-373.50	847.90	-461.90	306.10	50

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TSGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
51	-501.00	524.50	-311.70	644.80	-533.00	264.70	51
52	-92.34	715.20	350.80	1272.00	-385.40	448.20	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TMGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	8.28	22.28	-391.30	232.40	-295.50	182.10	2
3	16.49	19.93	-352.50	251.80	-276.40	220.40	3
5	28.80	29.90	-454.20	285.70	-367.40	206.00	5
6	35.25	37.52	-507.40	319.60	-405.70	215.60	6
7	40.53	46.31	-614.00	426.20	-434.50	311.40	7
8	51.08	73.28	-759.30	726.40	-640.50	517.40	8
9	9.46	23.45	-265.30	232.40	-218.80	210.80	9
10	8.28	23.45	-221.70	247.00	-190.10	210.80	10
11	6.52	25.21	-197.50	242.20	-147.00	206.00	11
12	3.01	22.86	-231.40	256.70	-170.90	210.80	12
13	0.0	125.00	-260.50	392.30	-295.50	373.70	13
15	31.73	42.21	-420.30	319.60	-353.00	268.30	15
16	31.73	41.04	-367.00	324.50	-276.30	316.20	16
17	37.01	41.62	-434.80	431.00	-290.80	359.30	17
18	29.39	42.21	-488.10	474.60	-391.30	421.60	18
19	-3.44	26.97	-362.20	348.70	-338.60	359.30	19
20	-4.03	41.63	-410.60	561.80	-477.60	594.10	20
21	10.63	44.55	-444.50	634.40	-491.90	608.40	21
22	1.84	43.97	-488.10	629.50	-587.80	646.80	22
23	14.15	30.49	-299.20	256.70	-410.50	258.70	23
24	10.04	27.55	-434.80	295.40	-429.70	325.80	24
25	30.56	34.00	-773.80	673.10	-559.00	541.40	25
26	5.35	34.59	-788.30	678.00	-731.50	713.80	26
27	8.87	27.55	-425.20	266.30	-415.30	330.60	27
28	8.87	29.90	-260.50	266.30	-468.00	306.60	28
29	18.25	40.45	-236.30	280.90	-180.50	249.10	29
30	17.08	49.83	-512.30	401.90	-434.50	464.70	30
31	35.25	38.69	-643.10	474.60	-602.10	507.80	31
32	32.91	39.87	-962.70	794.20	-669.20	536.60	32
33	31.73	44.55	-793.20	566.60	-654.80	512.60	33
34	32.91	50.42	-739.90	532.70	-559.00	531.80	34
35	28.80	33.42	-522.00	295.40	-381.80	182.10	35
36	39.94	39.87	-454.20	324.40	-333.80	249.10	36
37	34.08	90.28	-798.00	949.20	-702.80	579.70	37
38	44.05	115.50	-551.10	460.10	-372.20	297.00	38
39	20.01	48.07	-492.90	334.10	-285.90	277.90	39
40	29.39	36.35	-492.90	334.10	-391.30	268.30	40
41	46.98	82.08	-781.60	532.70	-290.70	455.20	41
42	51.67	86.77	-614.00	523.00	-482.30	349.70	42
43	45.22	65.07	-536.50	387.40	-463.20	311.40	43
44	99.15	165.90	-531.70	556.90	-554.20	565.30	44
45	44.63	65.66	-546.20	387.40	-434.50	253.90	45
46	49.32	50.42	-197.50	397.10	-147.00	407.20	46
47	50.49	63.31	-299.20	469.70	-209.30	450.30	47
48	46.98	53.94	-367.00	479.40	-338.70	436.00	48
49	60.44	55.70	-367.00	508.50	-367.40	493.40	49
50	59.88	64.49	-739.90	590.80	-549.40	416.80	50



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
51	48.15	63.32	-294.40	474.60	-295.50	392.80	51
52	4.18	54.52	-246.00	397.10	-314.70	412.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	EVENT
2	-631.30	438.80	-251.50	708.30	2
3	-631.30	479.90	-262.50	830.00	3
5	-809.60	521.00	-395.30	918.60	5
6	-926.10	610.10	-96.53	1173.00	6
7	-898.70	829.50	744.60	2346.00	7
8	-987.80	1549.00	1618.00	2623.00	8
9	-583.30	445.60	-207.20	796.80	9
10	-514.80	431.90	-185.10	774.70	10
11	-459.90	404.40	-74.38	597.60	11
12	-473.70	445.60	-129.80	564.40	12
13	-487.40	610.10	-118.70	774.70	13
15	-802.70	473.00	-196.10	586.60	15
16	-802.70	500.40	-218.30	675.10	16
17	-850.70	562.10	-129.70	785.80	17
18	-960.40	699.20	113.80	830.10	18
19	-528.50	431.90	-295.80	885.40	19
20	-624.50	747.20	578.60	1295.00	20
21	-336.50	1090.00	1231.00	2944.00	21
22	-501.10	706.10	-240.40	2225.00	22
23	-590.20	452.40	235.50	1240.00	23
24	-631.30	521.00	290.80	1383.00	24
25	-658.80	2139.00	1652.00	3541.00	25
26	-1125.00	1385.00	921.70	3010.00	26
27	-576.50	466.20	-450.70	1173.00	27
28	-679.30	500.40	-749.50	1029.00	28
29	-597.00	747.20	777.80	1804.00	29
30	-898.70	760.90	877.40	1771.00	30
31	-933.00	1590.00	1764.00	2944.00	31
32	-1022.00	1570.00	1519.00	3342.00	32
33	-987.80	1604.00	2493.00	3674.00	33
34	-885.00	1666.00	1364.00	3254.00	34
35	-1008.00	623.80	-605.60	1262.00	35
36	-933.00	575.80	589.70	1328.00	36
37	-364.00	3051.00			37
38	-1015.00	836.30	1021.00	1893.00	38
39	-919.30	712.90	-273.60	1594.00	39
40	-823.30	603.30	-428.50	1040.00	40
41	-830.10	911.80	-517.10	2236.00	41
42	-1173.00	1200.00	-439.60	1494.00	42
43	-1043.00	808.90	335.10	1804.00	43
44	-1159.00	1049.00	-572.40	2977.00	44
45	-933.00	891.20	357.20	1516.00	45
46	-665.60	651.20	-251.50	1217.00	46
47	-624.50	829.50	-550.30	1605.00	47
48	-816.40	774.60	-328.90	1317.00	48
49	-905.50	589.50	-284.70	1317.00	49
50	-1132.00	1131.00	700.30	3320.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TGGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	EVENT
51	-617.60	836.30	-605.60	1527.00	51
52	-480.50	754.10	844.20	1693.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TODAY 24300 TORG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-120.30	192.70	40.33	52.12	-201.70	203.30	2
3	-148.70	221.00	30.85	64.76	-190.10	238.20	3
5	-177.00	306.00	38.75	37.91	-213.30	273.10	5
6	-177.00	328.70	52.96	48.96	-254.00	290.50	6
7	-216.70	379.70	73.49	72.65	-306.30	400.80	7
8	-324.30	861.30	90.87	121.60	-254.00	534.50	8
9	-137.30	198.30	29.27	66.34	-172.70	197.50	9
10	-114.70	183.00	29.27	60.02	-166.80	168.50	10
11	-97.66	136.00	19.79	50.54	-137.80	139.40	11
12	-114.70	130.30	22.95	56.86	-149.40	139.40	12
13	-97.66	170.00	16.63	78.97	-100.10	249.80	13
15	-148.70	300.30	26.11	53.70	-184.30	278.80	15
16	-137.30	311.70	19.79	63.18	-195.90	267.30	16
17	-148.70	368.30	35.59	82.13	-201.70	331.20	17
18	-126.00	402.30	40.33	105.80	-236.60	377.60	18
19	-165.70	249.30	41.30	120.00	-230.80	302.10	19
20	-131.70	294.70	35.59	123.20	-317.90	389.30	20
21	-205.30	515.70	52.96	172.20	-288.80	476.40	21
22	-245.00	306.00	5.58	112.10	-323.70	418.30	22
23	-120.30	204.00	48.22	91.61	-277.30	267.30	23
24	-137.30	266.30	62.44	102.70	-277.20	302.10	24
25	-301.70	906.70	64.01	199.00	-236.60	610.00	25
26	-165.70	612.00	106.60	216.40	-387.60	551.90	26
27	-160.00	243.70	43.48	96.34	-329.50	331.20	27
28	-188.30	272.00	29.27	104.20	-300.50	325.30	28
29	-188.30	260.70	30.85	67.91	-166.80	215.00	29
30	-182.70	425.00	59.28	131.10	-265.60	290.50	30
31	-86.31	906.60	48.22	164.30	-178.50	482.20	31
32	-160.00	980.30	59.28	173.50	-242.40	534.50	32
33	-182.70	833.00	70.33	164.30	-376.00	610.00	33
34	-148.70	969.00	21.37	200.60	-195.90	627.50	34
35	-199.70	351.30	45.06	47.38	-230.80	337.00	35
36	-160.00	311.70	49.80	58.44	-248.20	261.40	36
37	-160.30	963.30	98.74	284.30	-683.90	976.00	37
38	-126.00	459.00	52.96	71.07	-242.40	453.20	38
39	-131.70	317.30	46.64	43.96	-230.80	278.90	39
40	-148.70	300.30	27.69	48.96	-254.00	290.50	40
41	-120.30	362.70	15.06	90.03	-236.60	366.00	41
42	-126.00	459.00	65.60	67.91	-248.20	505.40	42
43	-177.00	396.70	68.76	61.60	-294.70	389.30	43
44	-188.30	578.00	30.87	90.03	-161.10	778.50	44
45	-194.00	413.70	60.86	63.18	-306.30	400.80	45
46	-80.66	311.70	30.85	109.00	-126.20	278.90	46
47	-131.70	408.00	37.17	143.70	-137.80	360.20	47
48	-103.30	391.00	48.22	135.80	-184.30	383.50	48
49	-126.00	402.30	43.48	127.90	-230.80	360.20	49
50	-171.30	742.30	90.86	213.20	-213.30	459.00	50



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AIRCRAFT SLP1 FLIGHT 119

T06N 24300 T06S 13.2 FND FLIGHT DATE 08/05/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
51	-154.30	374.00	29.27	135.80	-132.00	366.00	51
52	-46.66	289.00	18.21	131.10	-225.00	447.30	52

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## CR-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TNG 24300 TONG 13.2 FND FLIGHT DATE 08/05/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-162.30	204.60	39.16	45.02	2
3	-179.90	222.10	33.65	42.68	3
5	-209.10	298.10	33.90	33.91	5
6	-332.50	344.90	30.97	34.50	6
7	-344.20	450.10	36.82	45.02	7
8	-414.30	707.30	22.21	83.88	8
9	-156.50	187.10	13.70	40.93	9
10	-156.50	163.70	25.13	39.18	10
11	-144.80	140.30	28.05	37.42	11
12	-162.30	157.80	33.57	40.93	12
13	-174.00	251.30	36.24	59.64	13
15	-191.60	327.30	23.63	43.85	15
16	-197.40	263.00	23.96	46.19	16
17	-185.70	356.60	13.70	52.63	17
18	-179.90	397.50	17.53	61.98	18
19	-144.80	248.50	43.84	53.55	19
20	-226.60	397.50	28.05	54.96	20
21	-267.50	637.20	40.33	92.97	21
22	-290.90	473.50	39.16	62.56	22
23	-250.00	304.00	36.24	43.27	23
24	-220.80	309.80	26.30	61.39	24
25	-168.20	689.80	62.55	180.70	25
26	-161.10	637.20	43.25	149.70	26
27	-296.80	350.70	29.80	52.04	27
28	-273.40	315.70	39.75	57.30	28
29	-133.10	455.30	56.12	69.00	29
30	-127.30	438.40	26.88	85.37	30
31	-133.10	607.90	28.05	121.60	31
32	-244.20	719.00	27.47	124.50	32
33	-137.70	812.50	8.75	139.70	33
34	-156.50	853.40	33.31	124.50	34
35	-168.20	327.30	12.26	57.88	35
36	-220.80	344.90	12.26	30.99	36
37	-124.80	1374.00	49.10	176.60	37
38	-156.50	420.90	15.19	72.50	38
39	-121.40	339.00	1.15	56.13	39
40	-203.30	303.90	-8.78	61.39	40
41	-250.00	397.50	8.17	64.32	41
42	-162.30	426.70	23.38	59.64	42
43	-285.10	420.80	8.17	69.00	43
44	-144.80	491.00	31.56	108.80	44
45	-226.60	397.50	21.04	57.30	45
46	-121.40	327.30	2.32	69.00	46
47	-127.30	403.30	-7.03	85.37	47
48	-156.50	374.10	-4.69	83.03	48
49	-197.40	415.00	-8.20	67.83	49
50	-273.40	455.90	5.83	119.30	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119  
TSGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
51	-92.19	415.00	9.93	83.61	51
52	-168.20	409.20	34.48	85.95	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-94.19	233.30	-233.80	198.40	2
3	-76.69	309.10	-17.88	215.90	3
4	-94.19	315.00	-157.90	192.50	4
5	-228.30	180.80	-128.70	140.00	5
6	-245.80	198.30	-146.30	157.60	6
7	-245.80	186.70	-140.40	151.70	7
8	-240.00	180.80	-134.60	134.20	8
9	-240.00	180.80	-128.80	163.40	9
10	-228.30	239.20	-122.90	180.90	10
11	-234.20	268.30	-134.60	192.50	11
12	-193.30	414.20	-117.10	315.10	12
13	-193.30	460.80	-111.30	379.30	13
14	-216.70	402.50	-134.60	344.30	14
15	-234.20	303.30	-128.80	233.40	15
16	-263.30	297.50	-146.30	227.60	16
17	-199.20	268.30	-146.30	250.90	17
18	-210.80	291.70	-128.80	256.80	18
19	-181.70	437.50	-76.25	344.30	19
20	-193.30	414.20	-105.40	315.10	20
21	-193.40	519.10	-140.40	350.10	21
22	-170.00	472.50	-152.10	408.40	22
23	-397.50	478.30	-6.22	484.30	23
24	-426.70	892.40	-233.80	746.80	24
25	-613.30	950.80	-70.41	641.80	25
26	-368.30	892.40	-443.80	898.60	26
28	-234.20	315.00	-140.40	256.70	28
29	-216.70	355.80	-181.30	332.60	29
30	-286.70	495.80	-175.40	455.10	30
31	-280.80	478.30	-99.56	344.30	31
32	-216.70	577.40	-338.80	490.10	32
33	-275.00	379.10	-192.90	320.90	33
34	-310.00	402.50	-210.40	338.40	34
35	-286.70	285.80	-134.60	274.20	35
36	-380.00	542.40	-350.50	630.20	36
37	-397.50	466.60	-350.50	548.50	37
38	-275.00	274.10	-146.30	215.90	38
39	-304.20	256.70	-146.30	227.60	39
40	-310.00	250.80	-152.10	221.70	40
41	-187.50	385.00	-117.10	326.80	41
42	-321.70	297.50	-175.40	291.80	42
43	-315.80	291.70	-175.40	268.40	43
44	-368.30	379.20	-216.30	355.90	44
45	-315.80	256.70	-169.60	215.90	45
46	-339.20	326.70	-175.40	315.10	46
47	-280.80	291.70	-105.40	256.70	47
48	-292.50	280.00	-152.10	268.40	48
49	-356.70	344.20	-175.40	291.80	49



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
50	-555.00	647.40	-373.80	665.20	50
51	-321.70	250.80	-163.80	221.70	51
52	-257.50	245.00	-163.80	210.10	52
53	-333.30	285.80	-263.00	239.20	53
54	-426.70	309.20	-274.60	274.30	54
56	-339.20	326.70	-70.41	256.70	56
57	-140.80	361.70	-181.30	239.20	57
59	-292.50	338.30	-192.90	297.60	59
60	-298.30	367.50	-210.40	326.80	60
61	-275.00	437.50	-251.30	379.30	61
62	-280.80	455.00	-257.10	385.10	62
63	-315.80	280.00	-233.80	256.70	63
64	-164.20	361.60	-87.91	297.60	64

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AIRCRAFT SLP1 FLIGHT 121  
TORGW 24300 TDCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-291.00	243.60	282.70	243.60	2
3	-388.50	311.80	287.50	336.20	3
4	-154.60	185.10	151.10	199.80	4
5	-222.80	204.60	204.70	214.30	5
6	-213.10	204.60	190.10	219.20	6
7	-183.90	185.10	185.30	194.90	7
8	-218.00	199.70	214.50	204.60	8
9	-154.60	175.40	131.60	180.30	9
10	-105.90	224.10	97.53	253.30	10
11	-105.90	214.30	112.20	238.70	11
12	-91.28	394.60	82.91	414.10	12
13	-105.90	506.70	73.19	550.50	13
14	-57.19	360.50	58.56	380.00	14
15	-149.80	316.60	136.50	360.50	15
16	-183.80	302.00	160.90	306.90	16
17	-135.10	331.30	170.60	375.10	17
18	-208.20	336.20	199.80	345.90	18
19	-140.00	482.30	131.70	511.50	19
20	-159.50	462.80	170.60	511.60	20
21	-149.80	628.40	156.00	662.60	21
22	-32.84	550.50	39.06	584.60	22
23	-96.16	594.30	146.30	565.10	23
24	-661.30	1354.00	745.50	1437.00	24
25	-929.20	1583.00	911.20	1652.00	25
26	-729.50	1393.00	682.20	1452.00	26
28	-125.40	311.80	126.80	341.00	28
29	-140.00	365.40	112.20	384.80	29
30	-461.50	696.70	414.20	755.10	30
31	-412.80	852.50	433.70	881.80	31
32	-13.34	638.20	-19.38	730.80	32
33	-193.60	506.70	195.00	545.70	33
34	-135.20	496.90	156.00	545.60	34
35	-222.80	311.80	156.00	321.60	35
36	-602.80	984.10	643.20	1062.00	36
37	-573.60	964.60	604.20	1082.00	37
38	-140.00	238.70	131.70	306.90	38
39	-135.20	204.60	112.20	229.00	39
40	-203.30	214.30	229.10	238.70	40
41	-169.30	462.80	121.90	501.80	41
42	-237.40	248.40	248.60	258.20	42
43	-295.90	267.90	146.30	243.60	43
44	-339.80	457.90	399.60	428.70	44
45	-96.19	185.10	112.20	199.70	45
46	-378.70	448.20	492.20	501.80	46
47	-32.84	160.80	48.81	185.10	47
48	-144.90	185.10	58.56	185.10	48
49	-281.30	272.80	292.40	292.30	49

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AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
50	-807.40	1052.00	794.20	1077.00	50
51	-325.10	267.90	341.10	272.80	51
52	-388.50	311.80	404.50	326.40	52
53	-286.20	258.20	355.80	287.40	53
54	-295.90	209.50	63.44	219.30	54
56	-91.31	190.00	78.06	224.10	56
57	-115.70	214.30	92.66	238.70	57
59	-47.47	321.50	19.59	341.00	59
60	-32.84	375.10	4.97	394.60	60
61	-23.09	453.00	14.72	462.80	61
62	-18.22	467.70	14.72	482.30	62
63	-330.00	292.30	355.80	297.20	63
64	-315.40	462.80	336.30	482.30	64

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AIRCRAFT SLP1 FLIGHT 121

TORG 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	54.31	477.10	104.10	584.50	-373.90	256.80	2
3	-27.50	490.80	281.20	1027.00	-374.70	377.80	3
4	-259.20	368.00	-445.00	478.20	-457.40	123.30	4
5	-116.10	443.00	-267.90	566.80	-401.30	132.70	5
6	-109.30	436.20	-329.80	593.30	-430.90	146.80	6
7	-177.40	422.60	-356.40	531.30	-414.50	127.30	7
8	-88.84	429.40	-267.90	584.50	-402.00	125.70	8
9	-204.70	340.80	-347.60	451.60	-405.90	118.70	9
10	-272.80	354.40	-250.20	478.20	-424.60	212.30	10
11	-272.90	381.70	-197.00	531.30	-459.80	253.70	11
12	-456.90	483.90	95.19	859.00	-431.70	361.40	12
13	-559.10	640.70	166.10	1160.00	-387.90	409.80	13
14	-593.20	470.30	192.60	903.30	-443.40	354.40	14
15	-361.50	429.40	219.20	859.00	-439.50	347.40	15
16	-272.90	395.30	157.20	726.20	-443.40	354.40	16
17	-225.20	443.00	95.22	752.70	-456.60	341.10	17
18	-184.30	483.90	272.30	805.90	-448.80	348.90	18
19	-518.20	586.20	42.09	1018.00	-405.10	392.60	19
20	-477.30	572.50	263.50	850.20	-380.90	416.80	20
21	-429.60	756.60	-498.10	1523.00	-399.70	398.10	21
22	-504.60	654.30	24.34	965.30	-337.20	460.50	22
23	-600.00	845.20	-99.63	1815.00	-409.00	388.70	23
24	149.70	1718.00	414.00	2400.00	-385.60	412.10	24
25	231.50	1936.00	236.90	2559.00	-316.10	481.60	25
26	61.13	1711.00	95.22	1975.00	-367.70	430.10	26
28	-450.10	477.10	228.00	673.00	-427.70	323.10	28
29	-470.50	511.20	-99.59	823.60	-443.40	354.40	29
30	-177.40	1022.00	-285.60	1399.00	-352.00	445.70	30
31	-313.80	722.50	219.20	1390.00	-362.20	435.60	31
32	-450.10	872.40	-431.00	1993.00	-387.90	409.80	32
33	-218.30	667.90	670.80	1222.00	-337.20	460.50	33
34	-225.10	661.10	476.00	1151.00	-328.60	469.10	34
35	-211.50	511.20	192.60	814.80	-443.40	354.40	35
36	61.13	1166.00	166.10	1320.00	-398.10	399.70	36
37	-75.19	988.30	422.90	1293.00	-399.70	398.10	37
38	-395.50	449.80	-28.75	770.40	-426.20	245.10	38
39	-375.10	415.80	130.70	788.20	-348.90	239.60	39
40	-334.20	388.50	245.80	779.30	-396.50	234.20	40
41	-443.30	538.40	440.60	1010.00	-398.90	398.90	41
42	-416.00	538.40	210.30	584.50	-451.90	259.90	42
43	-204.70	613.40	325.50	699.60	-465.20	240.40	43
44	-463.70	640.70	662.00	876.70	-462.90	300.50	44
45	-422.80	463.50	24.38	593.30	-324.70	187.30	45
46	-157.00	715.70	236.90	841.30	-496.40	301.30	46
47	-484.10	483.90	-19.91	531.30	-359.80	235.00	47
48	-450.10	490.80	281.20	637.60	-486.30	238.10	48
49	-463.70	572.50	-11.06	664.20	-437.10	263.80	49



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
50	-88.81	1493.00	1025.00	2161.00	-471.50	326.30	50
51	-41.09	558.90	236.90	646.50	-539.40	199.10	51
52	67.94	531.60	6.66	681.90	-509.70	236.50	52
53	-197.90	633.90	-126.20	690.80	-529.20	240.40	53
54	-504.60	504.40	-285.60	779.30	-553.40	234.90	54
56	-300.10	395.30	-383.00	540.20	-417.60	133.50	56
57	-388.70	429.40	-471.60	575.60	-466.80	145.20	57
59	-490.90	518.00	-524.70	770.40	-437.20	167.00	59
60	-531.80	599.80	-489.30	912.10	-491.00	181.90	60
61	-647.70	742.90	-577.80	965.30	-552.70	227.90	61
62	-579.60	756.60	-622.10	974.10	-495.60	253.70	62
63	-109.30	681.60	-250.20	743.90	-518.30	249.80	63
64	-191.10	817.90	343.20	1107.00	-392.60	405.10	64

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	8.20	15.82	-224.40	246.90	-205.60	270.40	2
3	3.52	50.97	-229.20	222.70	-195.80	211.40	3
4	19.34	19.92	-350.30	217.90	-299.00	177.00	4
5	17.58	22.85	-277.60	193.70	-259.70	167.10	5
6	18.17	22.26	-277.60	193.70	-259.70	177.00	6
7	16.41	21.68	-272.80	188.80	-269.50	167.20	7
8	12.89	24.02	-238.90	174.30	-245.00	162.20	8
9	16.99	19.92	-277.60	193.70	-279.40	167.10	9
10	15.82	21.09	-253.40	227.60	-269.50	206.50	10
11	16.41	24.02	-282.50	246.90	-299.00	226.10	11
12	35.74	78.51	-398.70	314.70	-392.40	299.90	12
13	39.26	87.89	-476.10	382.50	-417.00	285.10	13
14	53.91	55.66	-481.00	377.70	-407.20	255.60	14
15	29.88	65.62	-350.30	430.90	-348.20	383.40	15
16	29.30	63.86	-369.60	537.40	-436.70	471.90	16
17	24.02	65.62	-393.80	590.70	-446.50	501.40	17
18	25.20	63.28	-413.20	561.60	-446.50	491.60	18
19	43.36	94.33	-432.60	367.90	-397.30	334.30	19
20	25.20	85.54	-466.50	430.90	-451.40	398.20	20
21	60.94	131.80	-316.30	474.50	-284.30	437.50	21
22	32.23	100.80	-422.90	348.60	-407.20	294.90	22
23	52.15	166.40	-573.00	614.90	-417.00	442.40	23
24	10.54	251.30	-839.30	919.90	-598.90	683.30	24
25	38.64	225.50	-350.30	401.90	-358.00	462.10	25
26	4.10	213.30	-466.40	459.90	-436.70	422.80	26
28	38.67	66.21	-389.00	334.10	-294.10	270.40	28
29	41.02	74.41	-369.60	324.40	-377.70	304.80	29
30	59.76	142.40	-447.10	382.50	-230.20	344.10	30
31	26.37	91.40	-427.70	421.20	-362.90	339.20	31
32	122.40	144.10	-437.40	498.70	-377.70	373.60	32
33	14.65	84.37	-442.30	600.40	-377.70	491.60	33
34	22.85	82.03	-408.40	634.30	-471.10	535.80	34
35	32.23	66.79	-413.20	561.60	-417.00	491.60	35
36	-2.34	124.80	-427.70	489.00	-436.70	442.40	36
37	8.20	107.20	-510.00	639.10	-569.40	555.50	37
38	34.57	71.48	-243.70	295.30	-215.40	270.40	38
39	38.09	71.48	-301.80	372.80	-235.10	299.90	39
40	40.43	69.14	-287.30	338.90	-254.80	280.20	40
41	20.51	84.37	-519.70	426.10	-446.50	432.60	41
42	31.05	80.86	-282.50	382.50	-294.10	349.00	42
43	30.47	82.61	-306.70	397.00	-308.80	363.80	43
44	29.88	94.92	-190.50	368.00	-186.00	319.50	44
45	41.02	67.38	-248.60	348.60	-225.30	299.80	45
46	22.85	93.74	-301.80	401.80	-343.30	358.80	46
47	45.12	69.14	-272.80	372.80	-264.60	309.70	47
48	33.40	71.48	-297.00	367.90	-299.00	324.40	48
49	47.44	80.86	-200.20	368.00	-362.90	329.40	49

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AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
50	-5.86	191.60	-335.80	426.10	-397.30	452.30	50
51	15.24	36.91	-205.00	459.90	-249.90	452.30	51
52	21.10	38.08	-209.80	455.10	-230.20	422.80	52
53	14.65	45.70	-655.30	687.50	-535.00	550.60	53
54	21.10	43.94	-316.40	406.70	-323.60	427.70	54
56	18.17	23.44	-292.20	266.30	-230.20	236.00	56
57	24.03	28.12	-350.30	266.30	-299.00	236.00	57
59	48.04	42.77	-495.50	353.40	-412.10	211.40	59
60	46.29	53.90	-505.20	382.50	-417.00	226.10	60
61	56.25	67.38	-635.90	435.70	-480.90	290.00	61
62	56.84	67.96	-611.70	392.20	-510.40	240.90	62
63	17.58	48.63	-253.40	489.00	-274.40	467.00	63
64	-2.34	43.94	-389.00	624.60	-451.40	624.30	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-103.00	363.50	-165.10	659.10	-37.66	133.30	2
3	-178.40	452.70	-59.69	588.80	-19.38	117.20	3
4	-425.30	411.60	-182.70	571.20	-40.88	115.00	4
5	-322.40	336.10	-103.60	492.10	-21.53	97.82	5
6	-349.90	404.70	-86.03	544.80	-22.61	107.50	6
7	-329.30	356.70	-130.00	500.90	-12.94	99.97	7
8	-260.70	343.00	-77.25	465.80	-15.08	93.52	8
9	-363.60	391.00	-121.20	527.30	-22.61	105.30	9
10	-377.30	391.00	-77.25	676.60	-12.93	134.40	10
11	-391.00	377.30	80.91	887.50	19.31	175.20	11
12	-658.50	507.60	80.94	588.80	18.24	120.40	12
13	-816.30	583.00	72.16	826.00	8.56	164.50	13
14	-843.80	569.30	10.63	869.90	6.41	175.20	14
15	-583.10	445.80	-209.10	913.90	-18.31	187.00	15
16	-425.30	535.00	19.44	1160.00	4.26	233.30	16
17	-404.80	637.90	89.72	1388.00	20.34	277.30	17
18	-343.00	891.70	801.50	1924.00	169.80	390.20	18
19	-665.40	528.20	-296.90	966.60	-57.01	189.20	19
20	-672.30	548.80	-367.30	1072.00	-67.77	212.90	20
21	-747.70	706.50	256.70	1186.00	57.99	239.70	21
22	-761.40	637.90	10.63	676.60	3.19	139.70	22
23	-747.70	1049.00	854.20	1415.00	174.10	282.70	23
24	-199.00	3080.00	2137.00	4139.00	313.80	785.80	24
25	-391.00	1118.00	1505.00	2346.00	313.80	478.30	25
26	-473.30	747.70	1329.00	1924.00	277.30	385.90	26
28	-699.70	631.10	107.30	861.20	24.69	172.00	28
29	-631.10	493.80	63.38	571.20	23.62	115.00	29
30	-850.60	672.20	397.30	1415.00	87.03	283.80	30
31	-706.50	637.90	168.80	975.40	35.44	195.60	31
32	-638.00	1022.00	37.00	1582.00	10.69	314.90	32
33	-740.80	713.30	-305.70	1257.00	-57.03	249.40	33
34	-349.90	912.30	652.10	2021.00	133.20	403.10	34
35	-603.70	1015.00	722.40	2056.00	155.80	412.80	35
36	-452.80	617.30	300.60	1740.00	61.19	350.40	36
37	-644.80	919.10	10.63	2171.00	8.53	435.30	37
38	-480.20	493.90	423.60	896.30	87.02	178.40	38
39	-466.50	617.30	19.41	861.20	7.49	174.10	39
40	-507.60	535.00	28.22	782.10	8.56	158.00	40
41	-624.30	980.90	634.50	1125.00	132.20	225.70	41
42	-583.10	596.80	-33.28	931.50	-3.26	182.70	42
43	-507.60	548.80	72.16	931.50	18.24	189.20	43
44	-473.30	569.30	-6.94	1151.00	8.56	229.00	44
45	-452.80	548.70	45.78	817.20	9.64	165.50	45
46	-329.30	548.70	19.41	861.20	8.56	173.10	46
47	-487.10	555.60	195.20	913.90	44.04	182.70	47
48	-603.70	658.50	160.00	878.80	35.44	174.10	48
49	-487.10	624.20	19.44	878.80	8.56	175.20	49



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TCGW 24300 TCCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
50	-466.50	754.50	-130.00	1046.00	-16.16	208.50	50
51	-267.60	679.10	-507.80	878.80	28.99	176.30	51
52	-150.90	699.60	-42.09	870.00	26.84	174.10	52
53	-699.70	1084.00	-789.00	1564.00	-153.80	311.70	53
54	-445.90	692.80	63.34	993.00	16.09	202.10	54
56	-377.30	514.40	-182.70	711.70	-35.51	141.90	56
57	-507.60	521.30	-296.90	703.00	-50.56	144.00	57
59	-740.80	672.20	-235.40	1028.00	-45.18	203.20	59
60	-740.80	768.20	-200.30	1098.00	-46.28	221.50	60
61	-734.00	980.90	370.90	1845.00	77.34	370.80	61
62	-850.60	905.40	-173.90	1301.00	-34.45	261.20	62
63	-329.30	740.80	511.50	1142.00	104.20	234.30	63
64	-322.40	1022.00	450.00	1995.00	84.84	402.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-34.63	142.40	17.03	42.81	-92.88	181.10	2
3	-74.47	148.00	15.44	47.57	-151.30	169.40	3
4	-131.40	182.20	28.13	50.74	-192.20	198.60	4
5	-74.47	136.70	24.96	47.57	-157.10	128.50	5
6	-120.10	159.40	29.71	49.15	-174.60	146.00	6
7	-97.28	136.70	20.20	42.81	-168.80	140.20	7
8	-102.90	119.60	21.79	34.88	-168.80	105.10	8
9	-131.40	159.40	21.78	44.40	-174.60	157.70	9
10	-131.40	182.20	28.13	69.77	-174.60	192.80	10
11	-103.00	187.90	26.54	74.52	-186.30	227.80	11
12	-91.56	313.20	26.54	106.20	-209.70	297.90	12
13	-114.30	336.00	55.08	84.04	-285.60	373.80	13
14	-137.10	347.40	59.84	69.77	-262.20	385.50	14
15	-91.59	290.40	18.62	111.00	-192.20	292.00	15
16	-131.40	239.20	31.30	101.50	-238.90	280.30	16
17	-125.80	256.30	-4.41	114.20	-198.00	332.90	17
18	-228.30	529.60	31.30	117.30	-198.00	484.80	18
19	-74.47	341.70	31.30	123.70	-250.60	303.70	19
20	-91.56	324.60	23.37	122.10	-233.00	321.20	20
21	-154.20	398.60	31.30	98.31	-268.10	332.90	21
22	-85.88	353.10	40.81	95.13	-291.50	344.60	22
23	-74.50	421.40	13.86	106.20	-233.00	356.30	23
24	-467.40	1543.00	55.06	359.90	-303.10	963.70	24
25	-285.20	757.30	23.37	99.89	-250.60	432.20	25
26	-137.10	335.90	55.08	106.20	-227.20	478.90	26
28	-194.10	358.80	55.08	106.20	-192.20	350.40	28
29	-131.40	307.50	21.79	72.94	-221.40	286.20	29
30	-137.10	347.40	21.78	95.13	-233.10	367.90	30
31	-131.40	330.30	37.64	88.79	-209.70	356.30	31
32	-46.03	438.50	36.06	112.60	-151.30	519.80	32
33	-222.50	410.00	34.47	149.00	-268.10	379.60	33
34	-222.60	421.40	61.42	150.60	-233.00	426.30	34
35	-199.80	466.90	17.03	137.90	-291.40	356.30	35
36	-239.60	427.10	-5.17	90.38	-238.90	292.00	36
37	-285.20	472.60	4.34	150.60	-279.80	321.20	37
38	-108.70	273.30	26.54	77.69	-192.20	292.00	38
39	-97.25	250.60	32.88	77.69	-233.00	309.50	39
40	-108.70	239.20	24.96	69.77	-186.30	309.60	40
41	-148.50	370.10	74.11	109.40	-285.60	397.20	41
42	-108.60	261.90	17.03	71.35	-209.70	309.60	42
43	-108.60	261.90	10.69	87.21	-215.50	280.30	43
44	-159.90	301.80	39.23	99.89	-203.80	292.00	44
45	-51.72	227.80	18.61	57.08	-186.30	262.80	45
46	-137.10	279.00	56.67	82.45	-81.22	321.20	46
47	-40.31	273.30	24.96	69.77	-157.10	292.00	47
48	-68.78	279.00	4.34	77.69	-174.70	309.50	48
49	-159.90	290.40	15.44	79.28	-215.50	315.40	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
50	-142.80	421.40	17.03	137.90	-198.00	356.30	50
51	-68.78	256.20	21.79	114.20	-92.88	262.80	51
52	-57.41	244.80	23.37	118.90	-92.88	286.20	52
53	-336.40	603.60	48.74	169.70	-262.30	408.80	53
54	-108.60	364.40	43.98	149.00	-186.30	309.60	54
56	-142.80	227.80	17.03	45.98	-168.80	233.60	56
57	-125.80	267.60	29.71	33.30	-174.60	274.50	57
59	-165.60	375.80	51.91	49.15	-262.30	338.80	59
60	-165.60	387.20	53.50	53.91	-244.80	379.60	60
61	-188.30	444.20	58.25	65.01	-326.50	461.40	61
62	-171.30	449.80	56.67	57.08	-268.10	461.40	62
63	-4.44	370.10	-6.76	123.70	-157.10	327.10	63
64	-125.80	324.60	26.54	131.60	-174.70	426.30	64

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AIRCRAFT SLP1 FLIGHT 121

TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-107.90	199.90	34.69	38.06	2
3	-125.50	194.00	43.47	42.16	3
4	-154.90	211.70	17.12	40.41	4
5	-137.30	147.00	25.90	35.14	5
6	-125.50	170.50	18.29	35.72	6
7	-119.70	164.70	20.04	32.79	7
8	-102.00	135.30	22.97	29.87	8
9	-96.13	188.20	11.85	32.79	9
10	-72.63	211.70	5.99	37.48	10
11	-66.72	252.80	5.41	35.72	11
12	-107.90	294.00	26.49	42.75	12
13	-178.50	329.30	44.05	56.80	13
14	-149.10	299.90	41.13	53.88	14
15	-137.30	346.90	38.79	52.71	15
16	-202.00	341.10	25.32	59.15	16
17	-213.80	399.90	27.07	72.62	17
18	-184.30	499.80	25.32	57.98	18
19	-190.20	352.80	61.62	60.32	19
20	-160.80	382.20	65.14	74.37	20
21	-78.50	323.40	44.06	46.26	21
22	-190.20	270.50	46.40	46.26	22
23	-43.22	405.70	74.51	84.91	23
24	-13.81	1341.00	60.45	164.60	24
25	-237.30	599.80	38.79	90.18	25
26	-172.60	676.20	42.88	56.80	26
28	-102.00	276.40	46.98	56.22	28
29	-102.00	299.90	35.86	40.41	29
30	-166.70	376.30	54.60	56.80	30
31	-172.60	311.70	42.88	55.63	31
32	-143.20	399.90	59.87	84.33	32
33	-213.80	529.30	52.25	107.20	33
34	-184.30	523.30	75.09	116.00	34
35	-166.70	541.00	73.34	91.94	35
36	-278.40	370.50	49.91	70.86	36
37	-337.20	535.10	39.37	89.60	37
38	-60.88	270.50	45.23	52.12	38
39	-131.40	282.30	36.44	36.31	39
40	-125.50	252.80	36.44	33.97	40
41	-66.75	405.80	54.60	77.89	41
42	-84.38	258.80	30.00	33.38	42
43	-96.13	282.30	32.34	40.41	43
44	-54.97	299.90	30.59	57.39	44
45	-125.50	252.80	31.17	28.70	45
46	-113.80	335.20	36.44	37.48	46
47	-90.25	276.40	27.66	32.21	47
48	-90.25	288.10	31.76	43.34	48
49	-96.16	305.80	22.39	31.62	49



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121  
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
50	-107.90	341.10	42.88	79.06	50
51	-125.50	299.90	12.43	77.89	51
52	-60.88	282.30	11.85	66.76	52
53	-331.40	482.20	21.80	98.97	53
54	-137.30	311.70	30.00	72.03	54
56	-113.80	205.80	14.78	48.61	56
57	-131.40	258.70	4.23	43.92	57
59	-184.30	358.70	22.97	42.75	59
60	-172.60	394.00	30.00	53.29	60
61	-219.60	464.60	44.64	69.10	61
62	-131.40	458.70	44.64	65.59	62
63	-25.56	399.90	11.85	81.99	63
64	-190.20	541.00	32.34	81.40	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TUGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-151.60	140.00	-78.84	110.30	2
3	-180.80	227.50	-102.20	204.00	3
4	-186.60	245.00	-137.10	215.70	4
5	-204.10	250.80	-90.50	192.40	5
6	-209.90	221.70	-78.84	239.00	6
7	-291.60	280.00	-73.03	209.30	7
8	-209.90	198.30	-78.84	180.70	8
9	-192.40	274.20	-67.16	227.30	9
10	-227.40	157.50	-73.03	116.60	10
11	-163.30	268.30	-38.03	244.80	11
12	-192.40	250.80	-102.20	204.00	12
13	-186.60	256.70	-125.50	215.70	13
14	-198.30	268.30	-108.00	221.50	14
15	-215.80	215.80	-96.34	186.50	15
16	-244.90	221.70	-108.00	186.50	16
17	-192.40	239.20	-113.80	204.00	17
18	-186.60	151.70	-73.03	93.28	18
19	-180.80	145.80	-49.69	104.90	19
20	-198.30	140.00	-90.50	110.80	20
21	-169.10	250.80	-90.50	192.40	21
22	-169.10	285.80	-55.53	204.00	22
23	-122.40	297.50	-61.38	174.90	23
24	-250.80	309.10	-143.00	256.50	24
25	-157.40	297.50	-55.53	274.00	25
26	-139.90	338.30	-43.88	320.60	26
27	-116.60	256.70	-43.88	274.00	27
28	-198.30	233.30	-113.80	192.40	28
29	-157.40	122.50	-55.53	110.80	29
30	-174.90	198.30	-78.84	145.70	30
31	-174.90	140.00	-67.19	99.13	31
32	-122.40	169.20	-78.84	134.10	32
33	-192.40	169.20	-102.20	134.10	33
34	-192.40	215.80	-43.88	192.40	34
35	-145.80	215.80	-61.34	186.50	35
36	-157.40	169.20	-73.03	139.90	36
37	-145.80	204.10	-125.50	134.10	37
38	-163.20	186.70	-78.84	145.70	38
39	-221.60	291.70	-78.84	227.30	39
40	-104.90	105.00	14.44	110.80	40
41	-46.59	116.70	31.91	116.60	41
42	-87.41	99.16	43.56	104.90	42
43	-81.59	140.00	31.91	139.90	43
44	-46.56	163.30	78.56	151.60	44
45	-69.91	116.70	31.91	104.90	45

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TGGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT
2	37.38	59.83	-215.50	238.10	229.80	224.
3	14.37	92.05	-264.10	257.50	215.20	248.
4	46.59	102.80	-293.30	277.00	234.60	277.
5	28.18	115.10	-225.30	228.40	327.20	253.
6	37.38	75.18	-264.10	267.30	259.00	272.
7	48.12	67.51	-273.80	228.30	249.30	243.
8	45.05	67.51	-239.80	213.80	249.20	233.
9	51.19	98.19	-259.30	262.40	288.20	272.
10	25.11	72.11	-220.40	184.70	220.00	214.
11	43.52	121.20	-108.70	238.10	137.20	267.
12	45.05	55.23	-94.09	233.20	117.80	258.
13	34.31	59.84	-128.10	218.70	142.10	233.
14	32.78	52.16	-152.40	223.50	127.50	238.
15	32.78	42.96	-108.70	218.70	127.50	248.
16	38.91	46.03	-128.10	199.20	147.00	209.
17	12.83	93.59	-128.10	218.70	147.00	248.
18	48.12	49.10	-220.40	252.70	200.60	253.
19	43.52	50.63	-230.10	233.30	220.00	243.
20	46.59	65.97	-230.10	223.50	229.80	204.
21	61.93	96.65	-264.20	306.10	200.50	292.
22	72.67	107.40	-259.30	349.80	224.90	336.
23	66.53	95.12	-215.60	335.30	224.90	336.
24	34.31	65.97	-74.63	281.80	49.56	306.
25	34.31	145.80	-249.60	388.70	288.20	428.
26	25.11	139.60	-254.40	461.60	297.90	496.
27	22.04	151.90	-196.10	296.40	220.00	360.
28	43.52	44.49	-123.30	204.10	142.10	253.
29	41.98	42.96	-220.40	204.10	205.40	190.
30	29.71	64.44	-230.10	242.90	239.50	224.
31	37.38	53.70	-220.40	223.50	220.00	214.
32	35.85	58.30	-249.60	242.90	254.10	238.
33	31.24	62.90	-239.80	213.80	190.80	204.
34	49.65	59.83	-157.30	286.70	142.10	292.
35	48.12	55.23	-128.10	257.50	122.60	263.
36	35.85	58.30	-176.70	286.70	190.80	302.
37	11.30	49.10	-312.70	267.20	307.70	263.
38	6.70	102.80	-264.10	257.50	283.30	228.
39	29.71	113.50	-210.70	213.80	132.30	233.
40	3.63	38.36	-16.34	145.80	34.97	165.
41	2.09	46.03	-60.06	150.60	88.53	170.
42	2.09	33.75	-26.06	126.30	20.34	141.
43	-4.04	46.03	75.97	179.80	5.75	194.
44	17.44	95.12	129.40	145.80	-8.91	170.
45	23.57	61.37	-79.50	170.10	132.40	185.

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## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	89.56	375.30	-113.80	699.20	-263.10	233.40	2
3	48.63	402.50	-414.70	1018.00	-253.00	329.40	3
4	144.10	429.80	479.20	938.10	-282.60	330.90	4
5	21.34	443.50	-211.10	1257.00	-309.20	284.10	5
6	144.10	484.40	142.90	1239.00	-265.50	287.20	6
7	123.70	450.30	-7.56	1248.00	-268.60	296.60	7
8	48.63	388.90	27.84	1124.00	-238.20	254.40	8
9	212.30	511.70	-25.25	1266.00	-223.30	295.00	9
10	89.56	347.90	36.72	637.20	-279.50	187.30	10
11	-53.72	586.70	-166.80	1000.00	-292.80	408.20	11
12	-169.70	307.00	-326.20	1142.00	-233.60	209.20	12
13	-210.60	293.40	-352.70	1009.00	-290.50	190.50	13
14	-197.00	307.00	-317.30	1080.00	-249.10	183.40	14
15	-142.40	334.30	-326.20	1018.00	-263.90	145.20	15
16	-101.50	334.30	-290.80	1106.00	-290.50	162.40	16
17	-101.50	402.50	-211.10	1080.00	-305.30	289.60	17
18	41.81	477.60	-42.97	522.20	-315.40	196.70	18
19	41.81	477.60	98.66	504.50	-276.40	173.30	19
20	-12.78	423.00	19.00	548.70	-286.50	200.60	20
21	-5.97	539.00	19.00	672.60	-282.60	335.60	21
22	116.90	566.30	-25.28	770.00	-292.00	391.80	22
23	-26.41	586.70	10.16	787.70	-280.30	367.60	23
24	-435.80	463.90	-432.40	734.60	-285.80	240.40	24
25	-176.50	614.00	187.10	1142.00	-269.40	419.10	25
26	-258.40	668.60	231.40	1398.00	-298.30	474.60	26
27	-224.30	470.70	222.50	858.50	-331.80	437.90	27
28	-33.25	484.40	36.69	654.90	-174.90	215.40	28
29	48.63	361.60	-87.22	531.00	-209.30	207.60	29
30	82.75	382.10	-42.94	823.10	-280.30	316.10	30
31	35.00	347.90	-34.13	584.10	-253.80	211.50	31
32	41.81	423.00	-51.81	690.30	-256.90	242.70	32
33	123.70	409.30	-184.60	716.90	-254.60	281.00	33
34	212.40	429.80	169.40	964.70	-242.10	231.10	34
35	191.90	463.90	-87.19	920.40	-259.20	204.50	35
36	123.70	382.00	-7.53	522.20	-231.10	326.20	36
37	287.40	436.60	-131.40	646.10	-480.90	291.90	37
38	75.94	388.90	107.50	725.80	-257.70	285.70	38
39	-197.00	607.20	-237.70	947.00	-256.90	434.70	39
40	-53.72	300.20	98.66	486.80	-43.80	128.00	40
41	62.28	320.70	266.80	548.70	3.02	129.60	41
42	-149.20	300.20	45.56	451.40	-89.07	118.60	42
43	-149.20	354.80	98.66	451.30	-8.68	139.70	43
44	-285.70	341.10	72.13	601.80	16.29	164.70	44
45	-40.06	354.80	240.30	593.00	31.12	165.50	45



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TCGW 20300 TCGG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	3.53	18.75	-209.00	140.50	-200.80	132.60	2
3	5.29	25.20	-238.10	218.00	-195.80	206.30	3
4	-7.01	32.81	-252.60	222.80	-190.90	211.20	4
5	3.53	30.47	-296.20	247.00	-279.30	240.70	5
6	.02	25.78	-184.80	271.30	-195.80	245.60	6
7	-2.91	24.02	-209.00	276.10	-210.60	270.20	7
8	-2.91	21.68	-189.70	237.30	-195.80	216.10	8
9	-1.15	29.30	-223.60	358.40	-254.80	334.00	9
10	7.05	19.92	-121.80	179.20	-117.20	186.70	10
11	25.21	54.49	-20.13	242.20	-92.66	221.00	11
12	14.67	34.57	-117.00	261.60	-107.40	255.40	12
13	22.29	42.19	-117.00	251.90	-87.75	245.60	13
14	16.43	42.19	-121.80	266.40	-53.34	250.50	14
15	13.50	36.91	-121.80	227.70	-107.40	245.60	15
16	20.53	34.57	-92.78	247.00	-48.47	275.10	16
17	19.94	36.33	-131.50	256.70	-92.66	250.50	17
18	2.95	13.48	-223.60	222.80	-235.10	226.00	18
19	4.12	16.99	-170.30	237.30	-181.10	230.90	19
20	8.22	17.58	-170.30	285.80	-186.00	265.30	20
21	2.95	19.34	-160.60	276.10	-249.80	289.80	21
22	3.53	23.44	-209.00	295.50	-279.30	329.10	22
23	.61	19.34	-180.00	324.50	-244.90	353.70	23
24	34.59	42.77	-543.20	319.70	-402.10	206.30	24
25	2.95	52.15	-281.70	620.00	-367.80	604.30	25
26	8.81	65.04	-291.30	532.80	-171.30	515.80	26
27	8.22	35.16	-262.30	358.40	-186.00	334.10	27
28	22.87	38.09	-296.20	392.30	-254.80	383.20	28
29	7.64	22.85	-165.40	271.30	-102.50	250.50	29
30	11.74	25.78	-204.20	203.40	-161.40	191.60	30
31	5.29	14.65	-150.90	159.80	-151.60	171.90	31
32	4.71	25.78	-170.30	218.00	-166.30	216.20	32
33	1.19	30.47	-209.00	198.60	-151.60	211.20	33
34	33.42	29.88	-175.10	232.50	-171.30	230.90	34
35	17.60	28.13	-121.80	218.00	-186.00	196.50	35
36	2.95	18.16	-213.90	164.70	-186.00	176.80	36
37	5.29	16.99	-68.56	174.40	-28.78	176.80	37
38	-7.01	45.70	-184.80	184.10	-176.20	186.70	38
39	21.70	79.10	-209.00	237.30	-190.90	230.90	39
40	7.64	36.91	-150.90	169.50	-117.20	147.30	40
41	4.71	42.19	-63.72	140.50	-14.06	132.60	41
42	19.36	33.40	-73.41	159.80	5.59	142.50	42
43	26.97	51.56	-49.19	135.60	5.59	132.70	43
44	26.39	52.15	-63.72	159.80	5.59	132.70	44
45	1.78	46.29	-58.88	174.40	-23.91	152.30	45

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TGGW 20800 TMCW 9.7 AFT FLIGHT DATE 08/09/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-102.30	232.70	-79.16	606.50	-20.44	121.50	2
3	27.78	390.10	-52.78	685.50	-18.29	140.90	3
4	-184.40	424.30	-290.10	676.80	-64.54	135.50	4
5	-198.10	479.10	-413.20	782.20	-89.27	156.00	5
6	-136.50	568.00	-378.00	1028.00	-81.74	206.50	6
7	-177.50	595.40	-307.70	1116.00	-66.71	223.70	7
8	-81.72	513.30	-360.40	940.40	-78.52	188.20	8
9	-259.70	663.80	-149.50	1204.00	-36.58	245.20	9
10	89.38	369.60	-149.50	641.60	-39.80	128.00	10
11	14.09	485.90	-149.50	747.10	-38.72	148.40	11
12	68.84	431.20	290.00	641.60	49.47	129.10	12
13	137.30	444.80	254.80	641.60	44.09	128.00	13
14	178.30	472.20	158.20	650.40	23.66	131.20	14
15	137.30	444.80	149.30	624.00	33.34	123.70	15
16	68.84	458.50	263.60	668.00	46.25	134.40	16
17	55.16	472.20	149.30	711.90	23.66	144.10	17
18	-40.66	335.30	-158.30	544.90	-36.57	109.70	18
19	103.10	410.60	-131.90	641.60	-32.27	124.80	19
20	-6.44	410.60	-360.40	571.30	-79.59	114.00	20
21	14.09	458.50	-518.60	624.00	-112.90	128.00	21
22	116.80	492.80	-553.80	711.90	-118.30	144.10	22
23	20.94	520.10	-624.10	764.70	-131.20	154.90	23
24	-738.70	663.80	-96.75	958.00	-26.89	192.50	24
25	-115.90	711.70	-114.30	1204.00	-21.53	238.80	25
26	-396.50	677.50	175.80	1336.00	31.16	267.80	26
27	-218.60	581.70	-52.81	843.80	-13.98	168.90	27
28	-430.80	533.80	-237.40	940.40	-49.48	187.10	28
29	-33.81	424.30	26.31	764.60	2.15	154.90	29
30	-163.80	308.00	-114.30	553.70	-21.51	109.70	30
31	-109.10	335.30	-44.00	624.00	-12.91	122.60	31
32	-95.41	376.40	96.63	694.30	19.36	142.00	32
33	-150.20	349.00	-281.30	597.70	-60.23	120.50	33
34	-150.20	403.80	-325.30	887.70	-66.69	176.40	34
35	-68.03	349.00	-96.75	799.80	-24.74	160.30	35
36	-143.30	328.50	-131.90	588.90	-30.12	116.20	36
37	-88.56	355.90	-246.10	703.10	-52.71	138.70	37
38	-6.44	369.60	-263.70	615.20	-57.01	121.50	38
39	-177.50	403.80	-237.30	694.30	-51.63	139.80	39
40	-211.80	260.10	-26.41	571.30	-8.61	114.00	40
41	-184.40	232.70	-8.84	553.70	-8.61	109.70	41
42	-204.90	253.20	-17.63	562.50	-8.61	111.90	42
43	-74.88	246.40	-61.56	536.10	-17.21	107.60	43
44	-136.50	308.00	-123.10	597.70	-29.04	119.40	44
45	-143.30	287.40	17.53	615.20	-0.00	122.60	45

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-1.66	102.00	15.29	26.82	-90.66	110.40	2
3	-18.66	164.30	-7.49	74.13	-172.00	191.80	3
4	38.00	198.30	31.06	83.60	-166.20	197.60	4
5	-41.31	198.30	20.02	82.02	-119.70	197.60	5
6	-80.97	204.00	35.79	59.94	-131.30	220.80	6
7	-80.97	226.60	23.17	59.94	-119.70	244.00	7
8	-86.66	187.00	23.17	41.01	-113.90	203.40	8
9	-103.60	260.60	31.06	96.22	-160.40	238.30	9
10	-69.66	181.30	10.55	34.70	-154.60	174.30	10
11	4.03	198.30	8.98	58.36	-131.30	209.20	11
12	-41.31	175.60	21.60	61.52	-90.66	226.60	12
13	-13.00	158.60	31.06	61.52	-96.47	232.40	13
14	-46.97	170.00	31.06	52.05	-55.81	226.60	14
15	-41.31	164.30	23.17	53.63	-79.03	226.60	15
16	-35.66	170.00	27.90	42.59	-44.19	238.30	16
17	-115.00	226.60	1.09	66.25	-79.03	238.20	17
18	-24.31	124.60	21.59	39.43	-113.90	191.80	18
19	-13.00	192.60	4.24	59.94	-125.50	131.80	19
20	-30.00	175.60	8.98	83.60	-119.70	185.90	20
21	-115.00	226.60	27.90	115.10	-108.10	220.80	21
22	-69.63	237.90	12.13	102.50	-108.10	232.40	22
23	-103.60	260.60	26.33	104.10	-131.30	232.40	23
24	-171.60	351.30	46.83	36.28	-224.30	348.60	24
25	-92.28	249.30	15.29	134.10	-195.30	342.80	25
26	-103.70	249.30	16.86	179.80	-201.10	348.60	26
27	-63.97	255.00	18.44	102.50	-125.50	249.80	27
28	-86.66	300.30	-24.15	75.71	-137.20	261.50	28
29	32.34	136.00	-2.07	47.32	-50.00	174.30	29
30	-30.00	96.31	12.13	23.66	-96.47	162.70	30
31	-29.97	119.00	15.29	29.97	-119.70	127.80	31
32	-35.66	147.30	16.86	34.70	-108.10	162.70	32
33	-24.34	136.00	21.60	42.59	-125.50	156.90	33
34	-1.66	136.00	23.17	31.55	-137.10	168.50	34
35	-86.63	130.30	10.55	34.70	-125.50	156.90	35
36	38.00	119.00	4.24	28.39	-125.50	145.30	36
37	43.69	158.60	20.02	31.55	-119.70	151.10	37
38	-30.00	141.60	4.24	41.01	-137.10	156.90	38
39	-24.31	147.30	-3.64	58.36	-96.47	162.70	39
40	32.31	79.31	8.98	14.20	-79.03	98.78	40
41	43.66	67.97	4.24	15.78	-38.34	81.34	41
42	15.34	62.34	-6.80	17.35	-15.09	92.97	42
43	55.00	68.00	-2.07	15.77	-38.34	69.72	43
44	83.34	73.66	-5.22	25.24	-32.53	98.78	44
45	26.66	84.97	1.09	18.93	-49.97	92.97	45

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122  
TCGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-135.00	117.00	46.05	29.25	2
3	-140.90	204.80	56.58	45.63	3
4	-117.50	158.00	46.05	50.31	4
5	-129.20	181.40	34.93	61.43	5
6	-94.09	216.50	46.63	63.77	6
7	-70.69	251.60	40.20	69.04	7
8	-117.50	181.30	54.82	57.92	8
9	-99.94	280.80	41.37	70.21	9
10	-135.00	163.80	55.99	45.05	10
11	-123.30	187.20	60.09	55.00	11
12	-111.70	198.90	66.53	50.90	12
13	-82.38	193.10	63.02	48.56	13
14	-94.06	193.10	73.55	54.41	14
15	-94.06	193.10	65.94	51.48	15
16	-47.28	193.00	67.70	50.90	16
17	-117.50	228.20	58.33	63.77	17
18	-123.30	152.10	53.07	38.61	18
19	-105.80	169.70	62.43	51.48	19
20	-82.38	157.90	48.39	46.80	20
21	-82.38	193.10	53.07	56.16	21
22	-99.94	222.30	53.65	61.43	22
23	-94.09	216.50	48.39	66.70	23
24	-193.60	386.10	60.67	40.37	24
25	-205.20	409.50	41.37	72.55	25
26	-152.60	356.90	34.35	88.93	26
27	-117.50	263.30	44.29	63.77	27
28	-58.97	333.50	54.24	63.19	28
29	-64.84	210.60	44.29	50.90	29
30	-70.69	122.90	51.90	36.27	30
31	-94.09	122.80	43.71	46.80	31
32	-99.94	152.10	43.71	45.63	32
33	-140.90	146.30	46.05	37.44	33
34	-76.53	140.40	50.14	41.54	34
35	-111.60	163.80	59.50	33.35	35
36	-41.44	152.10	44.29	43.88	36
37	-82.38	146.30	34.93	49.73	37
38	-99.94	152.10	45.46	40.37	38
39	-82.38	134.60	40.20	47.97	39
40	-64.84	70.22	41.95	28.67	40
41	-41.44	58.50	42.54	26.91	41
42	-59.00	76.06	43.71	29.25	42
43	-53.13	70.19	51.31	27.50	43
44	-58.97	99.47	47.80	33.35	44
45	-82.38	76.06	43.12	29.84	45



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-216.50	186.70	-149.10	170.50	-141.90	168.90	2
3	-216.40	151.70	-119.70	141.10	-112.80	128.10	3
4	-210.60	134.20	-113.80	135.20	-101.10	104.80	4
5	-210.60	145.90	-113.80	147.00	-118.60	122.30	5
6	-216.40	151.70	-102.00	147.00	-112.80	128.10	6
7	-204.80	128.30	-96.16	129.30	-95.28	99.03	7
8	-187.30	215.90	-84.38	188.10	-124.40	186.40	8
9	-204.80	245.10	-107.90	188.10	-118.60	180.60	9
10	-181.40	245.10	-96.13	188.10	-106.90	192.20	10
11	-257.30	227.60	-131.40	199.90	-112.80	186.40	11
12	-233.90	215.90	-143.20	176.40	-112.80	163.10	12
13	-251.50	210.00	-137.30	182.30	-112.80	163.10	13
14	-257.30	227.60	-84.41	235.20	-112.80	209.70	14
15	-245.60	215.90	-131.40	223.40	-118.60	203.80	15
16	-245.60	239.30	-125.50	217.50	-147.70	174.80	16
17	-263.20	268.40	-137.30	217.50	-130.20	203.80	17
18	-257.30	274.30	-113.80	241.00	-153.50	215.50	18
19	-263.10	245.10	-119.70	223.40	-124.40	209.70	19
20	-181.40	268.40	-113.80	217.50	-118.60	203.80	20
21	-216.40	198.40	-90.25	182.30	-101.10	151.40	21
22	-187.30	215.90	-96.13	211.60	-83.63	203.90	22
23	-198.90	239.30	-102.00	217.50	-112.80	221.30	23
24	-204.80	280.10	-72.63	246.90	-101.10	221.30	24
25	-228.10	268.40	-84.38	258.70	-147.70	256.30	25
26	-199.00	285.90	-119.70	246.90	-171.00	209.70	26
27	-228.10	303.40	-78.50	276.30	-95.28	238.80	27
28	-245.60	227.60	-84.38	199.90	-89.44	209.70	28
29	-228.10	245.10	-107.90	211.70	-118.60	192.20	29
30	-216.40	256.80	-96.16	223.40	-136.10	221.30	30
31	-251.50	361.80	-43.25	276.30	-106.90	238.80	31
32	-269.00	262.60	-143.20	352.70	-54.53	291.20	32
33	-251.50	210.00	-102.00	217.50	-77.81	209.70	33
34	-251.50	186.70	-55.00	217.50	-66.16	198.00	34
35	-257.30	169.20	-49.13	176.40	-72.00	157.30	35
36	-210.60	227.60	-113.80	194.00	-112.80	174.80	36
37	-234.00	169.20	-37.34	164.60	-48.69	157.30	37
38	-140.60	250.90	27.31	217.50	21.22	227.20	38
39	-280.60	262.60	-102.00	252.80	-106.90	250.40	39
40	-140.60	250.90	-37.34	223.40	-77.81	244.60	40
41	-245.60	215.90	-90.28	241.00	-130.20	203.80	41
42	-169.80	280.10	-49.09	258.70	-25.41	227.20	42
43	-198.90	180.90	-78.50	158.80	-89.44	151.40	43
44	-233.90	274.30	-137.30	217.50	-141.90	238.80	44
45	-251.50	303.40	-160.80	241.00	-159.30	267.90	45
46	-245.60	320.90	-154.90	270.40	-141.90	262.10	46
47	-251.50	361.80	-178.40	317.40	-176.80	297.10	47
48	-257.30	390.90	-166.70	341.00	-176.80	308.70	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
49	-274.80	420.10	-190.20	341.00	-159.30	326.20	49
50	-309.80	478.40	-184.30	370.40	-176.80	366.90	50
51	-304.00	484.30	-207.80	382.10	-171.00	372.80	51
52	-169.80	151.70	-66.75	158.80	-83.63	133.90	52
53	-169.80	140.00	-78.50	158.80	-71.97	134.00	53
54	-187.30	110.80	-90.25	76.44	-60.34	75.72	54
55	-181.40	175.10	-66.75	182.30	-48.66	168.90	55
56	-163.90	134.20	-113.80	170.50	-77.81	128.10	56
57	-140.60	227.50	-72.63	188.10	-19.56	174.80	57
58	-146.40	210.10	-84.38	211.60	-77.78	198.00	58
59	-169.80	151.70	-90.28	135.20	-89.44	128.10	59
60	-198.90	180.90	-102.00	170.50	-112.80	151.40	60
61	-239.80	233.40	-131.40	223.40	-136.10	209.70	61
62	-239.80	245.10	-149.10	217.50	-165.20	215.50	62
63	-251.50	396.80	-172.60	335.10	-159.30	314.50	63
64	-204.80	175.00	-107.90	152.80	-124.40	151.40	64
65	-233.90	215.90	-131.40	188.10	-141.90	192.20	65
66	-239.80	233.40	-143.20	199.90	-141.90	203.90	66
67	-257.30	297.60	-166.70	258.70	-159.40	244.60	67
68	-251.40	291.80	-160.80	264.60	-141.90	238.80	68
69	-234.00	320.90	-166.70	270.40	-159.30	256.30	69
70	-239.80	361.80	-154.90	305.70	-147.70	291.20	70
71	-193.10	186.70	-72.63	188.10	-71.97	168.90	71
72	-222.30	180.90	-84.38	176.40	-66.16	163.10	72
73	-292.30	239.30	-137.30	229.30	-141.90	203.90	73
74	-105.60	274.20	-96.16	258.70	-83.63	250.40	74
75	-239.80	233.40	-102.00	252.80	-83.63	180.60	75
76	-163.90	215.90	-7.94	194.00	-54.53	198.00	76
77	-292.30	239.30	-184.30	241.00	-171.00	221.30	77
78	-292.30	250.90	-190.20	258.70	-200.10	215.50	78
79	-274.80	256.80	-154.90	235.20	-153.50	203.80	79
80	-93.91	285.90	-49.09	246.90	-48.69	238.80	80

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	36.44	90.42	-261.90	232.70	252.40	238.80	2
3	27.27	29.12	-160.10	140.60	155.00	160.80	3
4	22.67	27.59	-174.60	145.40	184.20	170.50	4
5	30.33	29.12	-140.70	140.60	150.10	165.70	5
6	30.33	26.05	-140.70	140.60	140.30	155.90	6
7	25.73	30.65	-179.40	150.30	179.30	175.40	7
8	41.04	49.04	-164.90	174.50	164.70	229.00	8
9	37.99	45.98	-164.90	184.20	159.80	243.60	9
10	37.99	42.91	-155.20	184.20	164.70	229.00	10
11	30.33	38.31	-121.30	198.80	130.60	253.40	11
12	44.13	42.91	-150.40	189.10	150.10	253.30	12
13	44.13	45.98	-135.80	203.60	140.40	253.40	13
14	59.45	61.30	-179.40	305.40	213.40	336.20	14
15	37.99	45.98	-121.30	237.50	159.80	263.10	15
16	42.59	47.51	-87.34	252.10	111.10	302.10	16
17	41.04	36.78	-72.78	237.50	101.40	272.90	17
18	50.25	39.85	-67.94	223.00	57.53	268.00	18
19	57.92	56.71	-101.90	266.60	145.20	307.00	19
20	51.79	65.90	-58.25	300.60	91.63	341.10	20
21	37.99	45.98	-164.90	252.10	174.50	277.70	21
22	50.25	58.24	-106.70	290.80	120.80	311.80	22
23	57.92	62.84	-106.70	290.80	116.00	326.40	23
24	44.13	58.24	-53.41	305.40	91.63	341.10	24
25	59.45	55.17	-67.94	290.90	62.38	341.10	25
26	39.53	50.57	-67.94	329.60	91.63	360.60	26
27	54.85	59.77	-67.94	329.60	77.00	365.40	27
28	41.04	49.04	-116.40	223.00	120.90	233.90	28
29	39.53	50.57	-82.47	247.20	120.80	292.30	29
30	51.79	62.84	-82.47	237.50	81.88	282.60	30
31	53.32	55.17	-295.80	557.50	310.90	628.60	31
32	54.85	59.77	-232.80	533.20	257.30	594.40	32
33	47.19	49.04	-97.03	193.90	57.50	238.80	33
34	41.04	45.98	-87.34	174.50	81.88	214.40	34
35	28.80	39.85	-97.03	184.20	101.40	204.60	35
36	27.27	50.57	-106.70	261.80	140.30	311.80	36
37	27.27	35.25	33.84	169.70	18.53	170.50	37
38	42.59	56.71	-145.50	203.60	213.40	229.00	38
39	51.79	62.84	-218.20	295.70	276.80	311.80	39
40	33.40	41.38	14.47	198.80	23.41	194.90	40
41	42.59	47.51	14.44	189.10	33.16	204.70	41
42	21.14	72.03	4.78	305.40	42.91	292.30	42
43	28.80	30.65	-34.03	160.00	62.41	185.20	43
44	44.13	27.59	-29.19	232.70	3.94	253.40	44
45	54.85	29.12	-14.63	266.60	-15.59	292.30	45
46	45.66	29.12	-24.31	305.40	-5.81	331.30	46
47	47.19	39.85	-14.63	363.60	-5.81	389.80	47
48	51.79	41.38	-4.94	412.10	-5.84	428.80	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
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EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
49	51.79	41.38	-9.78	436.30	-5.81	458.00	49
50	65.58	49.04	-0.09	494.50	-25.31	516.50	50
51	65.58	45.98	9.59	504.20	-20.44	521.40	51
52	41.06	36.78	-87.31	164.80	101.40	214.40	52
53	39.53	47.51	-179.40	227.80	203.70	268.00	53
54	34.93	52.11	-213.40	164.80	189.10	155.90	54
55	18.07	68.97	-208.50	295.70	174.50	326.50	55
56	8.88	59.77	-208.50	237.50	179.30	243.60	56
57	19.60	49.04	-237.60	256.90	218.30	263.10	57
58	36.46	62.84	-194.00	261.80	213.40	277.80	58
59	27.27	26.05	-126.10	155.10	101.30	175.40	59
60	28.80	21.46	-67.94	145.40	57.53	170.50	60
61	48.72	29.12	-48.53	203.60	28.28	209.50	61
62	42.59	29.12	-43.72	218.20	33.16	243.60	62
63	59.45	49.04	-14.63	412.10	3.91	428.80	63
64	33.40	26.05	-92.19	179.40	77.00	238.80	64
65	31.86	27.59	-58.22	193.90	42.88	243.60	65
66	41.06	27.59	-67.94	223.00	28.28	277.70	66
67	48.72	32.18	-58.25	290.90	18.53	336.20	67
68	41.06	30.65	-48.56	310.30	8.81	345.90	68
69	42.59	35.25	-43.69	344.20	23.44	370.30	69
70	53.32	45.98	-38.88	387.80	18.53	423.90	70
71	22.67	39.85	19.31	174.50	8.78	190.00	71
72	34.93	49.04	-29.16	174.50	72.13	204.60	72
73	50.25	58.24	-155.20	242.40	125.80	258.30	73
74	41.06	58.24	24.16	324.80	38.03	277.70	74
75	24.20	62.84	4.75	266.60	47.78	297.20	75
76	28.80	70.50	-0.09	193.90	57.53	209.50	76
77	51.79	56.71	-106.70	193.90	150.10	243.60	77
78	64.05	53.64	53.25	198.80	62.38	224.10	78
79	54.85	65.90	-198.80	266.60	232.90	268.00	79
80	27.27	121.10	-189.10	295.70	213.40	355.70	80



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-44.53	415.80	-60.88	629.30	-272.20	236.80	2
3	-167.20	361.30	-317.90	460.90	-369.10	107.10	3
4	-99.06	347.70	-255.90	452.00	-372.30	111.80	4
5	-126.30	347.70	-318.00	514.10	-398.80	111.80	5
6	-146.80	340.80	-326.80	505.30	-359.70	113.30	6
7	-71.78	334.00	-140.70	496.40	-334.00	115.70	7
8	-317.20	334.00	-60.91	558.40	-388.70	237.60	8
9	-310.40	354.50	-43.16	611.60	-369.10	258.70	9
10	-283.10	368.10	45.47	629.30	-347.30	241.50	10
11	-351.30	381.80	-69.75	638.20	-347.30	249.30	11
12	-310.40	368.10	-43.19	629.30	-336.30	238.40	12
13	-324.00	368.10	-16.59	620.50	-339.40	239.90	13
14	-194.50	443.10	213.90	797.80	-412.90	324.30	14
15	-296.80	381.80	-43.16	523.00	-361.30	239.90	15
16	-330.80	374.90	18.88	673.60	-338.70	232.90	16
17	-385.40	429.50	-52.03	673.70	-339.40	250.90	17
18	-405.80	409.00	-167.30	593.90	-370.70	246.20	18
19	-201.30	395.40	18.88	726.80	-370.70	274.30	19
20	-317.20	388.60	18.91	762.30	-371.50	318.80	20
21	-269.50	354.50	125.30	691.40	-392.60	239.90	21
22	-119.50	395.40	178.40	709.10	-360.50	312.60	22
23	-289.90	402.20	45.47	859.80	-391.00	289.90	23
24	-364.90	409.00	-69.78	762.30	-350.40	289.90	24
25	-344.50	443.10	-255.90	1161.00	-401.90	288.40	25
26	-344.50	429.50	27.72	664.80	-305.80	431.40	26
27	-296.80	654.40	-43.16	1143.00	-396.50	293.80	27
28	-337.70	409.00	63.19	700.30	-356.60	311.80	28
29	-330.80	374.90	18.88	691.40	-301.10	245.40	29
30	-283.10	395.40	89.78	797.70	-348.00	264.20	30
31	-139.90	756.70	27.75	948.40	-451.90	346.20	31
32	-378.50	613.50	80.91	1055.00	-345.70	322.80	32
33	-276.30	347.70	151.80	735.70	-315.20	190.70	33
34	-269.50	327.20	107.50	744.60	-294.90	178.20	34
35	-289.90	347.70	284.80	567.30	-241.80	136.00	35
36	-255.80	422.70	1.16	691.30	-361.30	263.40	36
37	-310.40	381.80	187.30	452.00	-145.60	105.50	37
38	-126.30	497.60	595.00	647.00	-276.10	206.30	38
39	-194.50	606.70	595.00	664.80	-384.80	246.20	39
40	-242.20	490.80	-247.00	1081.00	-178.50	172.70	40
41	-337.70	422.70	-7.72	629.30	-278.50	343.10	41
42	-112.70	729.40	-69.75	939.60	-117.50	208.70	42
43	-187.70	327.20	-326.80	469.80	-321.50	134.40	43
44	-344.50	388.60	-477.50	585.00	-358.20	132.10	44
45	-392.20	436.30	-495.20	726.80	-358.20	150.80	45
46	-412.60	484.00	-512.90	833.20	-384.80	177.40	46
47	-474.00	559.00	-539.50	895.20	-442.60	218.00	47
48	-480.80	593.10	-557.30	1002.00	-452.00	254.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124

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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-480.80	634.00	-557.30	1037.00	-473.00	295.40	49
50	-501.30	695.30	-778.80	1099.00	-454.30	343.80	50
51	-549.00	688.50	-823.20	1126.00	-455.10	343.10	51
52	-140.00	334.00	-255.90	576.20	-280.00	129.00	52
53	-37.72	340.80	98.66	647.00	-296.40	256.30	53
54	57.72	340.80	54.31	390.00	-283.20	124.30	54
55	146.40	470.40	-158.40	833.20	-260.50	198.50	55
56	23.66	320.40	80.94	452.10	-337.10	429.80	56
57	-30.88	456.80	444.30	904.10	-258.90	218.80	57
58	-44.53	443.10	231.60	797.70	-326.90	311.80	58
59	-112.70	306.80	-282.50	407.70	-310.50	139.10	59
60	-228.60	259.00	-406.60	443.20	-334.70	118.00	60
61	-364.90	368.10	-468.60	540.70	-404.30	153.20	61
62	-426.30	443.10	-229.30	585.00	-398.80	153.90	62
63	-542.20	613.50	-397.70	1090.00	-456.60	233.70	63
64	-303.60	334.00	-140.70	514.10	-330.80	143.80	64
65	-358.10	374.90	-264.80	602.80	-355.10	128.90	65
66	-371.80	388.60	-273.60	682.50	-371.50	131.30	66
67	-446.80	477.20	-344.50	806.60	-421.50	173.50	67
68	-426.30	484.00	-344.50	842.00	-393.40	184.40	68
69	-419.50	531.70	-335.70	868.70	-413.70	207.90	69
70	-474.00	586.30	-380.00	930.70	-448.10	254.80	70
71	-214.90	449.90	-211.60	390.00	-142.50	121.10	71
72	-133.20	422.70	-317.90	425.40	-228.50	146.20	72
73	-174.10	654.40	36.59	655.90	-357.40	209.50	73
74	-58.16	688.50	72.06	939.60	-182.40	154.80	74
75	-214.90	559.00	-34.31	638.20	-272.20	396.20	75
76	-64.97	490.80	-69.75	850.90	-151.90	210.20	76
77	-310.40	531.70	-264.80	567.30	-489.50	235.20	77
78	-337.70	477.20	-309.10	487.50	-531.70	266.50	78
79	-140.00	674.90	-362.30	611.60	-322.20	227.40	79
80	-201.30	613.60	160.70	762.30	-346.50	368.80	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
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EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	.35	22.28	-373.70	208.60	-132.50	181.90	2
3	16.18	19.35	-271.80	155.20	-245.60	137.60	3
4	13.25	18.76	-242.70	145.50	-221.00	132.70	4
5	15.60	22.28	-242.80	155.30	-230.80	142.50	5
6	15.60	21.11	-237.90	160.10	-235.70	147.50	6
7	7.98	19.35	-223.30	145.50	-216.10	137.60	7
8	22.05	45.15	-281.60	252.30	-265.20	216.30	8
9	20.29	48.08	-305.80	247.40	-294.70	226.10	9
10	19.70	51.01	-300.90	252.30	-284.90	216.30	10
11	23.81	53.94	-339.80	261.90	-334.00	226.10	11
12	21.46	50.42	-310.70	232.80	-299.60	231.00	12
13	22.63	52.77	-310.70	232.80	-334.00	245.80	13
14	20.87	63.91	-276.70	247.40	-250.50	378.50	14
15	21.46	52.77	-237.90	237.70	-255.40	393.20	15
16	23.81	58.63	-267.00	266.80	-240.60	358.80	16
17	24.98	60.98	-475.60	504.50	-496.20	634.00	17
18	33.77	56.87	-703.60	577.30	-574.80	663.50	18
19	20.88	61.56	-470.80	519.10	-452.00	540.70	19
20	22.63	59.80	-480.40	596.70	-506.00	525.90	20
21	11.49	56.87	-514.40	620.90	-506.00	486.60	21
22	10.91	50.42	-431.90	525.80	-466.70	417.80	22
23	26.15	63.32	-854.00	1155.00	-579.80	825.70	23
24	39.05	71.53	-693.90	800.40	-525.70	693.00	24
25	16.77	82.08	-431.90	431.80	-284.90	363.70	25
26	22.05	66.25	-359.20	397.80	-299.60	398.10	26
27	32.01	83.26	-368.90	426.90	-314.40	344.10	27
28	27.91	52.18	-359.20	329.90	-319.30	290.00	28
29	28.50	63.32	-330.10	281.40	-235.70	334.20	29
30	23.81	64.49	-669.60	708.30	-530.60	599.60	30
31	9.74	87.95	-402.80	460.80	-393.00	511.20	31
32	38.46	87.36	-470.70	587.00	-589.60	707.80	32
33	26.15	58.63	-300.90	329.90	-294.70	265.40	33
34	22.63	60.98	-257.30	286.20	-299.60	280.20	34
35	26.74	58.04	-237.90	315.30	-230.80	260.50	35
36	23.81	56.29	-398.00	465.70	-388.10	407.90	36
37	34.95	58.04	-199.10	305.60	-157.10	255.60	37
38	24.98	68.01	-203.90	310.50	-250.50	270.30	38
39	7.98	77.98	-257.30	363.80	-304.50	304.70	39
40	27.32	75.05	-92.38	354.10	-88.28	275.20	40
41	37.29	69.77	-203.90	359.00	-240.60	299.80	41
42	28.50	86.77	-160.30	422.00	-152.20	358.80	42
43	13.84	20.52	-218.50	218.30	-191.50	191.70	43
44	33.78	33.42	-436.80	252.30	-334.00	186.80	44
45	40.81	45.15	-567.80	402.60	-515.90	388.30	45
46	38.46	48.66	-567.80	334.70	-437.30	260.50	46
47	49.02	60.39	-815.20	650.00	-619.10	501.30	47
48	53.71	70.94	-844.30	718.00	-678.10	550.50	48

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	57.81	73.88	-723.00	557.90	-712.50	555.40	49
50	72.47	89.71	-946.10	761.60	-786.20	521.00	50
51	73.06	86.78	-1082.00	761.60	-776.40	511.20	51
52	10.32	25.21	-150.60	208.60	-162.00	191.70	52
53	2.11	24.04	-174.80	174.60	-181.70	191.70	53
54	5.05	15.24	-111.80	121.30	-93.19	122.90	54
55	11.49	36.94	-218.50	189.20	-211.20	211.30	55
56	.35	18.76	-111.80	169.80	-98.09	196.60	56
57	27.91	32.25	-208.80	276.50	-206.20	294.90	57
58	6.81	36.94	-199.10	198.90	-201.30	211.30	58
59	10.91	14.07	-218.50	218.30	-166.90	196.60	59
60	16.19	14.66	-330.10	174.60	-299.60	152.40	60
61	24.98	25.80	-601.70	669.50	-604.30	535.70	61
62	42.57	50.42	-446.50	291.10	-304.50	177.00	62
63	56.64	83.26	-669.60	514.20	-604.30	486.60	63
64	32.02	53.94	-242.80	242.60	-201.30	231.00	64
65	40.81	55.70	-368.90	291.10	-309.40	260.50	65
66	40.22	55.11	-417.40	261.90	-324.20	216.30	66
67	49.02	61.56	-558.10	383.30	-427.40	299.80	67
68	42.57	60.98	-446.50	310.50	-338.90	181.90	68
69	47.85	63.91	-562.90	349.30	-407.80	231.00	69
70	49.02	69.77	-669.60	504.50	-545.40	368.60	70
71	18.53	28.73	-155.40	397.80	-107.90	353.90	71
72	21.46	24.63	-170.00	412.30	-132.50	378.40	72
73	8.56	45.73	-77.78	397.80	-265.20	393.20	73
74	22.63	50.42	-77.78	514.20	.22	442.30	74
75	15.60	36.35	-165.10	426.90	-142.30	407.90	75
76	15.01	42.80	-9.88	465.70	49.34	471.80	76
77	11.49	35.77	-315.50	412.30	-299.60	388.30	77
78	19.70	33.42	-330.00	436.60	-319.30	417.80	78
79	15.01	49.84	-247.60	402.70	-245.60	432.50	79
80	-1.99	39.87	-257.30	528.80	-280.00	486.60	80



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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)

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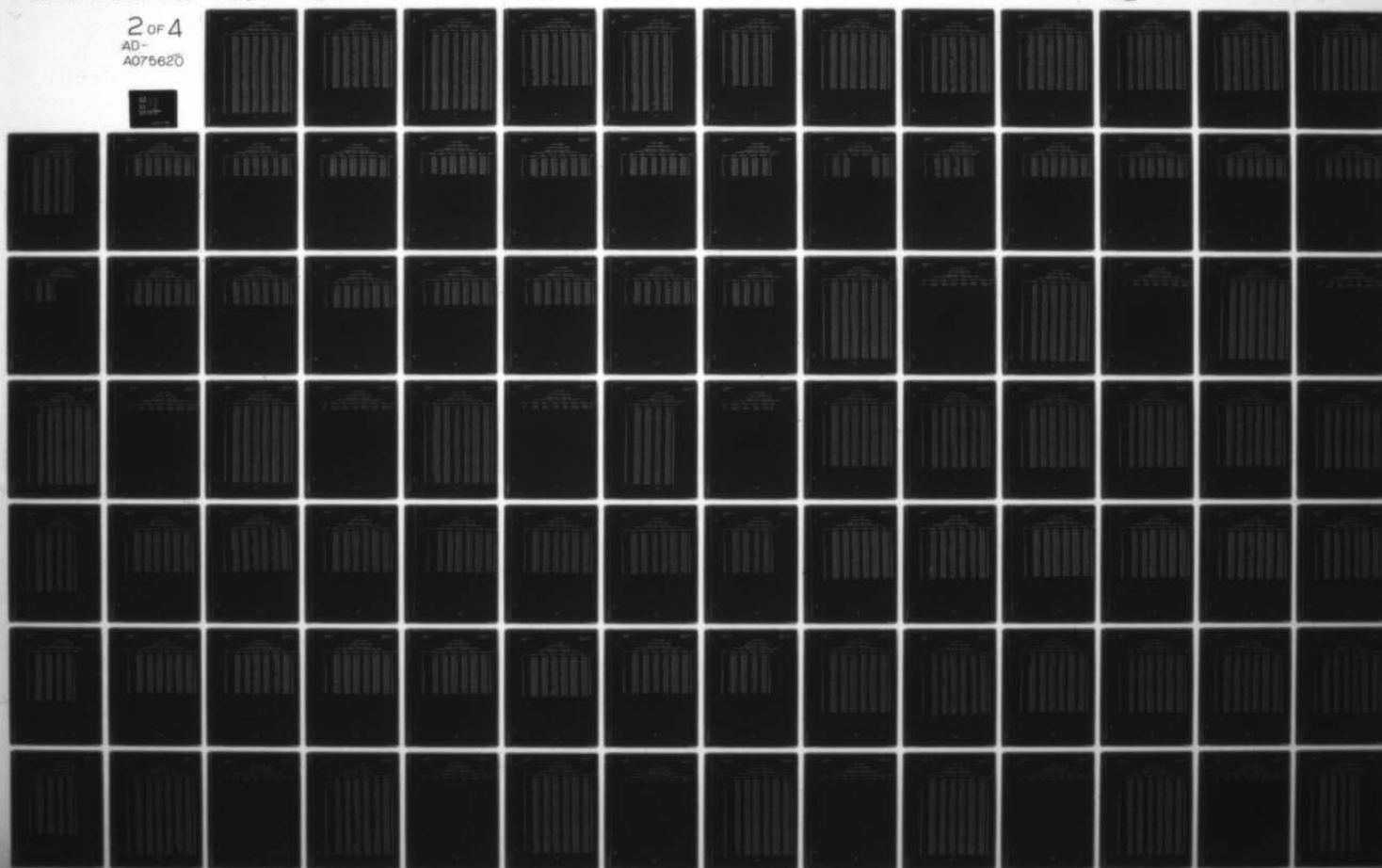
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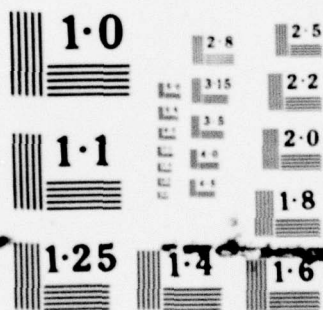
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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TCGW 20800 TCGG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-439.80	425.40	-205.80	570.30	-44.86	116.30	2
3	-288.90	288.20	-56.69	473.80	-19.02	94.73	3
4	-240.90	267.60	-65.47	430.00	-13.64	87.20	4
5	-220.30	301.90	-4.03	456.30	-1.80	90.43	5
6	-213.40	322.50	-4.03	473.80	-3.95	94.73	6
7	-172.30	281.30	-39.16	456.30	-5.02	89.35	7
8	-494.70	384.20	206.60	438.80	43.42	88.27	8
9	-508.40	411.60	189.00	438.80	40.19	89.35	9
10	-508.40	397.90	136.30	456.30	36.96	92.58	10
11	-577.00	411.70	92.47	482.60	21.88	96.88	11
12	-501.60	391.10	346.90	666.90	75.71	135.60	12
13	-494.70	384.20	583.80	921.30	124.10	186.20	13
14	-186.00	1201.00	1882.00	2536.00	397.60	517.80	14
15	-186.00	1201.00	1716.00	2369.00	353.40	482.30	15
16	-350.60	816.40	1338.00	1869.00	283.50	380.00	16
17	-364.30	1516.00	1654.00	2939.00	348.10	597.40	17
18	-117.40	1969.00	1654.00	3220.00	370.70	656.70	18
19	-7.59	1557.00	1426.00	3202.00	293.10	648.10	19
20	-48.78	1640.00	1549.00	3466.00	324.30	694.30	20
21	-240.90	1022.00	776.90	2255.00	170.40	454.30	21
22	-357.50	837.00	873.40	2141.00	184.40	427.30	22
23	-268.30	2737.00	1935.00	4519.00	282.40	826.80	23
24	-240.80	2340.00	1900.00	3957.00	334.00	775.10	24
25	-350.60	747.80	346.90	1825.00	85.38	371.40	25
26	-426.10	741.00	1189.00	2159.00	254.40	437.00	26
27	-192.80	1070.00	1224.00	1966.00	261.90	401.50	27
28	-570.20	528.30	434.70	1492.00	97.24	299.30	28
29	-371.20	809.60	1312.00	1948.00	274.80	388.60	29
30	-282.00	2065.00	1233.00	3413.00	270.50	694.30	30
31	-220.30	1468.00	1382.00	2931.00	293.10	592.10	31
32	40.44	1743.00	1584.00	3255.00	335.10	655.60	32
33	-192.80	1345.00	1391.00	2115.00	298.50	431.70	33
34	-515.30	706.70	733.00	1141.00	162.90	229.30	34
35	-350.60	459.70	-30.38	763.40	5.74	153.90	35
36	-96.81	1331.00	1137.00	2299.00	244.70	464.00	36
37	-412.40	397.90	74.94	833.60	33.73	166.90	37
38	-453.50	411.70	162.70	921.30	47.72	189.50	38
39	-433.00	487.10	241.60	982.70	60.63	198.10	39
40	-186.00	651.80	478.60	1185.00	106.90	237.90	40
41	-391.80	473.40	66.16	912.50	25.12	184.10	41
42	-192.80	658.70	-83.00	1343.00	-5.06	270.20	42
43	-261.50	466.50	-188.30	658.10	-25.48	131.30	43
44	-515.30	487.10	145.10	798.50	41.26	161.50	44
45	-947.50	1015.00	1005.00	1904.00	222.10	389.70	45
46	-666.20	706.70	601.40	1781.00	136.00	361.70	46
47	-810.30	1345.00	891.00	2264.00	194.10	458.60	47
48	-597.60	1599.00	1400.00	2807.00	287.80	569.50	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124

TOWW 20800 TOWG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-659.40	1564.00	961.20	2404.00	203.80	485.50	49
50	-858.30	1736.00	294.30	2317.00	70.31	466.10	50
51	-782.80	1825.00	855.90	2317.00	185.50	471.50	51
52	-199.70	363.60	-83.03	570.30	-10.41	114.10	52
53	-131.10	404.80	303.10	640.60	68.18	130.30	53
54	-21.34	226.40	-197.10	473.80	-33.02	93.66	54
55	-220.30	466.50	136.40	965.20	32.65	193.80	55
56	-110.50	329.30	-319.90	614.20	-58.85	121.60	56
57	61.00	500.80	408.40	921.30	86.46	187.30	57
58	-131.10	514.50	601.40	1062.00	126.30	214.20	58
59	-247.80	452.80	13.53	544.00	5.74	108.70	59
60	-419.30	391.10	-126.90	596.70	-22.25	119.50	60
61	81.59	2319.00	1926.00	2650.00	399.70	539.30	61
62	-707.40	583.20	-47.91	675.70	-5.03	134.60	62
63	-611.40	1173.00	917.30	2553.00	185.50	514.60	63
64	-357.50	425.40	-56.69	596.70	-8.26	120.60	64
65	-522.20	480.30	-232.20	649.30	-44.86	131.30	65
66	-604.50	494.00	-214.60	631.80	-41.63	128.10	66
67	-830.90	843.90	768.10	1895.00	162.90	382.20	67
68	-659.40	658.60	-372.60	1018.00	-59.93	206.70	68
69	-796.60	741.00	118.80	1439.00	28.34	290.70	69
70	-563.30	1139.00	619.00	2044.00	136.00	417.70	70
71	-316.30	590.00	-162.00	982.70	-29.79	198.10	71
72	-330.10	548.90	136.30	1018.00	29.42	203.50	72
73	-494.70	713.50	13.50	1053.00	4.66	211.00	73
74	-261.50	946.80	-188.30	1606.00	-30.88	321.90	74
75	-227.20	624.30	-293.60	974.00	-54.54	197.00	75
76	-494.70	754.70	276.80	1299.00	63.85	263.70	76
77	-295.80	651.80	-39.16	947.70	3.59	186.20	77
78	-412.40	699.80	-232.20	982.70	-43.78	199.20	78
79	-165.40	713.50	-179.50	1018.00	-30.86	205.60	79
80	-275.20	617.50	13.53	1106.00	5.74	225.00	80



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124

TGGW 20800 TCGG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-134.30	204.30	32.25	41.15	-182.10	209.60	2
3	-94.63	130.50	14.84	26.91	-158.80	116.40	3
4	-88.97	102.20	16.42	28.49	-153.00	99.00	4
5	-94.63	119.20	21.17	30.07	-158.80	104.80	5
6	-94.63	119.20	21.17	30.07	-164.60	110.60	6
7	-100.30	90.81	21.17	26.91	-176.30	98.97	7
8	-100.30	204.30	21.17	58.56	-222.90	203.80	8
9	-100.30	227.00	24.33	64.89	-228.70	221.30	9
10	-123.00	204.30	24.33	64.89	-234.50	203.80	10
11	-111.70	238.30	27.50	68.06	-217.10	256.20	11
12	-123.00	215.60	35.41	60.14	-240.30	232.90	12
13	-128.70	221.30	33.83	68.06	-240.30	232.90	13
14	-247.80	681.00	37.00	118.70	-316.00	623.00	14
15	-259.20	669.60	22.75	120.30	-339.30	599.70	15
16	-219.50	482.30	14.84	93.38	-205.40	372.70	16
17	-315.90	885.30	25.92	174.10	-368.40	756.90	17
18	-497.50	987.40	46.49	166.20	-514.00	797.70	18
19	-315.90	726.40	63.90	120.30	-409.20	704.50	19
20	-338.60	601.50	44.91	123.50	-391.70	640.50	20
21	-230.80	425.60	37.00	99.71	-321.90	465.80	21
22	-287.60	436.90	35.41	72.81	-333.50	407.60	22
23	-315.90	851.20	27.49	280.10	-461.60	791.80	23
24	-333.00	766.10	-2.57	205.80	-374.30	762.80	24
25	-157.00	374.50	36.99	83.88	-269.50	343.50	25
26	-236.50	442.60	27.50	83.88	-310.20	454.20	26
27	-276.20	459.70	52.82	102.90	-281.10	425.00	27
28	-208.10	300.80	35.41	117.10	-234.50	308.60	28
29	-179.80	476.70	19.58	94.96	-246.20	483.30	29
30	-389.70	868.20	78.12	178.80	-467.40	774.40	30
31	-315.90	692.30	-8.90	161.40	-432.50	681.30	31
32	-440.80	805.80	.59	193.10	-339.30	762.80	32
33	-208.10	527.80	24.33	102.90	-269.40	471.60	33
34	-134.30	363.20	49.66	61.73	-158.80	326.10	34
35	-83.28	198.60	6.92	44.32	-187.90	250.40	35
36	-196.80	550.40	30.66	83.88	-362.60	623.00	36
37	-77.59	170.20	6.92	41.15	-187.90	215.40	37
38	-60.59	198.60	8.51	68.06	-211.20	227.10	38
39	-49.22	210.00	24.33	77.55	-118.10	273.70	39
40	-20.88	351.80	18.00	49.06	-205.40	279.50	40
41	-71.94	198.60	11.67	55.39	-193.80	232.90	41
42	-94.66	280.40	11.67	58.56	-158.80	291.10	42
43	-128.70	198.60	25.92	47.48	-147.20	186.30	43
44	-179.80	306.40	30.66	39.57	-234.50	250.40	44
45	-145.70	703.70	57.57	85.47	-263.60	384.30	45
46	-219.50	368.80	54.40	56.98	-286.90	361.00	46
47	-457.80	902.30	82.89	129.80	-426.70	687.10	47
48	-270.60	885.30	60.74	142.40	-415.00	628.80	48

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-259.20	760.40	65.48	156.70	-292.80	553.10	49
50	-310.30	890.90	87.64	147.20	-333.50	593.90	50
51	-287.60	890.90	95.56	139.30	-415.00	628.80	51
52	-83.28	119.20	24.33	49.06	-147.20	128.10	52
53	-94.63	153.20	11.67	33.24	-170.50	116.50	53
54	-66.25	90.81	13.26	22.16	-141.30	98.97	54
55	-106.00	153.20	13.26	31.65	-129.70	192.20	55
56	-66.28	124.80	16.42	28.49	-141.40	145.60	56
57	-32.19	249.70	25.92	28.49	-153.00	215.40	57
58	-174.10	266.70	24.33	52.23	-246.20	273.70	58
59	-123.00	147.60	14.84	33.24	-164.70	157.20	59
60	-134.30	215.70	24.33	49.06	-153.00	215.40	60
61	-293.30	851.20	111.40	180.40	-449.90	791.90	61
62	-157.10	306.40	33.83	45.90	-228.70	314.40	62
63	-208.10	629.90	98.72	126.60	-310.20	512.40	63
64	-106.00	198.60	24.33	42.73	-153.00	180.50	64
65	-128.70	255.40	25.92	37.99	-158.80	244.60	65
66	-157.00	283.70	22.75	34.82	-187.90	250.40	66
67	-117.30	516.40	54.40	75.97	-263.60	361.00	67
68	-185.40	312.10	48.07	56.98	-234.50	320.30	68
69	-196.80	368.80	55.99	55.39	-310.20	361.00	69
70	-236.50	431.30	43.32	90.21	-327.70	471.60	70
71	1.84	215.70	-13.65	64.89	-158.80	198.00	71
72	-43.56	192.90	25.92	66.47	-112.30	209.60	72
73	-88.97	295.10	25.92	110.80	-153.00	273.70	73
74	-32.22	238.30	24.33	71.22	-54.03	349.30	74
75	7.53	210.00	.59	72.80	-100.60	221.30	75
76	98.28	232.70	-.99	58.56	-153.00	262.00	76
77	-117.30	289.40	-12.07	101.30	-141.30	238.70	77
78	-94.63	300.80	65.48	131.40	-170.50	267.80	78
79	-26.53	266.70	22.75	123.50	-112.20	267.80	79
80	-37.88	255.40	-4.15	93.38	-222.90	296.90	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP: FLIGHT 124  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-175.20	216.70	-0.66	40.92	2
3	-134.30	140.60	15.13	27.48	3
4	-134.20	117.20	18.63	26.31	4
5	-122.50	128.80	19.81	26.31	5
6	-116.70	134.70	20.97	26.31	6
7	-110.80	105.40	21.56	24.55	7
8	-163.50	181.60	33.84	34.49	8
9	-145.90	199.10	30.91	33.91	9
10	-145.90	187.40	29.74	29.23	10
11	-134.30	187.40	28.57	33.91	11
12	-99.09	222.60	27.41	32.74	12
13	-28.81	281.10	33.84	40.34	13
14	-239.70	773.20	42.02	73.07	14
15	-181.10	749.70	53.71	69.57	15
16	-75.69	656.00	53.71	69.57	16
17	-99.09	631.20	32.08	100.60	17
18	-145.90	925.40	47.28	146.10	18
19	-187.00	814.20	50.20	88.27	19
20	-233.80	779.00	45.53	85.94	20
21	-163.50	591.60	20.39	72.49	21
22	-151.80	568.10	13.96	77.75	22
23	-309.90	1066.00	32.67	126.90	23
24	-321.70	1089.00	24.48	125.70	24
25	-99.09	468.60	28.57	71.32	25
26	-75.69	597.40	36.76	64.30	26
27	-110.80	574.00	36.18	80.09	27
28	-116.70	287.00	33.84	82.43	28
29	-75.66	667.70	43.77	74.83	29
30	-321.70	984.00	16.30	180.60	30
31	-128.40	802.40	26.24	91.20	31
32	-233.80	896.10	9.87	145.00	32
33	-116.70	626.70	49.62	97.04	33
34	-52.25	410.00	27.41	52.61	34
35	-17.09	234.30	9.87	30.40	35
36	-122.50	644.30	46.70	92.95	36
37	-34.64	181.60	2.85	25.72	37
38	-46.38	205.00	1.68	35.07	38
39	-5.38	246.00	-2.99	32.74	39
40	12.19	251.90	9.28	30.98	40
41	-58.09	216.70	10.45	33.32	41
42	-5.38	246.00	7.53	49.11	42
43	-75.64	187.40	-5.33	47.94	43
44	-128.40	298.70	-13.52	38.58	44
45	-134.30	468.60	-17.02	70.15	45
46	-175.30	427.60	1.10	50.86	46
47	-450.50	667.70	9.28	90.61	47
48	-321.70	796.60	26.24	90.03	48



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124  
TCGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
49	-608.70	954.70	10.45	87.11	49
50	-321.70	738.00	5.77	105.80	50
51	-292.40	767.30	8.11	110.50	51
52	-63.97	152.30	-1.24	39.17	52
53	-87.38	175.70	12.79	35.66	53
54	-69.81	76.13	20.39	25.72	54
55	12.22	216.70	6.94	38.00	55
56	-104.90	123.00	4.02	39.75	56
57	-69.78	216.70	16.88	45.60	57
58	-181.10	304.60	18.05	43.26	58
59	-110.80	164.00	14.54	39.75	59
60	-58.09	240.20	6.94	34.49	60
61	-368.50	984.00	25.65	156.10	61
62	-145.90	269.40	37.93	38.58	62
63	-233.80	462.70	65.40	84.77	63
64	-99.09	187.40	3.44	39.17	64
65	-134.30	246.00	-5.33	36.25	65
66	-145.90	269.40	1.68	32.74	66
67	-181.10	456.80	-13.52	56.12	67
68	-122.50	328.00	-2.99	44.43	68
69	-116.70	369.00	1.68	50.27	69
70	-222.10	509.60	15.13	70.73	70
71	-81.53	216.70	9.87	66.64	71
72	-75.66	222.60	-1.24	66.06	72
73	-75.64	281.20	22.73	78.33	73
74	41.47	316.30	15.71	104.10	74
75	-58.09	240.20	6.94	83.60	75
76	23.91	216.70	-7.09	97.63	76
77	-63.94	246.00	27.40	73.66	77
78	-99.09	304.60	6.94	70.74	78
79	-87.38	257.70	21.56	78.34	79
80	-122.50	304.60	30.91	66.64	80



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126

TCGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
2	-182.30	186.80	-86.38	223.80	-78.38	198.40	2
4	-153.10	169.30	-15.72	153.10	-90.03	151.70	4
5	-182.20	210.20	-51.03	188.40	-31.69	186.70	5
6	-135.50	151.80	-45.16	100.10	-84.19	99.19	6
7	-112.20	233.50	-56.97	276.70	-84.22	320.90	7
8	-164.70	122.60	-51.06	106.00	-37.53	110.80	8
9	-193.90	175.10	-86.38	164.90	-90.03	140.00	9
10	-199.80	204.30	-92.28	182.50	-101.70	175.00	10
11	-246.50	297.70	-139.40	241.40	-142.60	250.90	11
12	-258.10	356.10	-168.80	282.60	-154.20	274.20	12
13	-264.00	455.30	-186.50	382.70	-177.60	367.60	13
14	-299.00	467.00	-162.90	370.90	-183.40	373.40	14
15	-258.10	496.20	-186.50	406.30	-148.40	396.80	15
16	-299.00	513.80	-168.80	435.70	-107.60	425.90	16
17	-193.90	186.80	-92.28	194.30	-84.19	169.20	17
18	-176.40	169.30	-68.72	147.20	-101.70	128.40	18
19	-193.90	163.50	-86.38	164.90	-84.19	145.90	19
20	-153.00	192.70	-80.50	182.50	-78.38	163.40	20
21	-200.00	200.00	-80.50	217.90	-78.38	210.10	21
22	-275.70	268.50	-151.20	241.40	-177.60	215.90	22
23	-199.80	192.60	-86.38	164.90	-90.03	163.30	23
24	-264.00	233.50	-157.00	223.70	-130.90	204.20	24
25	-229.00	210.20	-104.10	194.30	-95.88	180.90	25
26	-228.90	245.20	-139.40	229.60	-130.90	215.90	26
27	-252.30	338.60	-145.30	306.20	-136.70	268.40	27
28	-234.80	216.00	-145.30	212.00	-119.20	180.90	28
29	-188.10	309.40	-139.40	312.10	-125.00	268.40	29
30	-158.90	233.50	-104.00	241.40	-90.03	233.40	30
31	-223.10	367.80	-168.80	353.30	-148.40	303.40	31
32	-205.60	478.70	-162.90	429.80	-130.90	425.90	32
33	-211.40	391.10	-174.70	312.10	-189.20	320.90	33
34	-287.30	397.00	-186.50	359.20	-171.70	431.80	34
35	-345.70	420.30	-198.30	323.80	-235.90	332.60	35
36	-118.00	262.70	-86.38	282.60	-78.38	245.10	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
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EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	13.47	73.56	-218.50	247.30	282.40	306.80	2
4	42.59	56.70	-213.70	242.40	243.40	267.90	4
5	33.39	50.57	-170.00	256.90	146.00	248.40	5
6	5.81	50.57	-247.60	276.30	258.00	272.80	6
7	11.94	90.41	-223.30	271.50	267.80	302.00	7
8	13.47	64.36	-218.50	218.20	233.70	209.40	8
9	27.26	29.12	-102.10	169.70	131.40	194.80	9
10	25.73	30.65	-53.66	179.40	77.81	199.70	10
11	37.99	24.52	-68.22	252.10	63.19	282.50	11
12	39.52	35.25	-53.66	334.50	48.59	375.00	12
13	53.31	42.91	-24.56	470.30	14.50	496.80	13
14	47.18	45.97	-34.28	480.00	19.38	511.40	14
15	76.30	65.89	-0.31	552.70	-0.13	569.90	15
16	57.91	50.57	-0.31	581.80	9.63	579.60	16
17	33.39	41.38	-237.90	208.50	180.10	224.10	17
18	39.52	50.57	-237.90	227.90	248.30	253.30	18
19	30.33	47.51	-242.70	261.80	258.10	292.30	19
20	37.99	45.97	-228.20	247.30	243.40	267.90	20
21	24.20	50.57	-330.00	310.30	433.40	370.20	21
22	37.99	45.97	-92.44	208.40	116.80	238.70	22
23	22.66	30.65	-87.59	174.50	77.81	199.70	23
24	24.20	38.31	-140.90	218.20	126.50	238.70	24
25	36.46	44.44	-131.30	179.40	141.10	214.30	25
26	25.73	30.65	-77.88	203.60	72.94	224.10	26
27	53.31	55.17	-39.09	261.80	38.88	287.40	27
28	25.73	39.84	-194.30	213.30	194.70	228.90	28
29	41.05	52.10	-87.59	290.90	82.69	311.80	29
30	37.99	55.17	-179.70	227.80	233.70	277.60	30
31	33.39	44.44	-131.20	412.10	136.30	482.20	31
32	64.04	62.83	72.41	480.00	-34.22	457.80	32
33	39.52	41.38	4.50	450.90	9.63	482.20	33
34	54.85	50.57	-68.22	378.20	53.47	448.10	34
35	67.11	75.09	-53.66	363.60	72.94	370.20	35
36	36.44	121.10	-281.50	368.40	297.00	399.40	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
TGW 20800 TCR 9.7 AFT FLIGHT DATE 08/11/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-160.00	518.00	300.00	1000.00	-362.30	317.30	2
4	92.16	429.40	-202.90	806.70	-266.10	146.20	4
5	-10.03	422.60	169.40	1002.00	-227.10	160.20	5
6	99.00	381.70	98.47	505.30	-399.80	273.60	6
7	126.30	463.50	497.30	1099.00	-252.80	326.70	7
8	37.66	347.60	63.00	398.90	-240.30	204.80	8
9	-153.20	320.30	-344.80	452.10	-334.90	111.80	9
10	-282.70	340.80	-397.90	452.10	-306.00	98.49	10
11	-412.20	429.40	-504.30	682.50	-357.60	148.50	11
12	-459.90	531.70	-468.80	895.30	-409.20	184.50	12
13	-548.60	715.70	-637.30	1135.00	-491.30	279.10	13
14	-548.50	756.60	-681.60	1161.00	-420.10	295.50	14
15	-521.30	824.80	-725.90	1170.00	-395.10	362.70	15
16	-548.50	865.70	-788.00	1197.00	-425.60	372.80	16
17	-37.34	422.60	-371.30	638.20	-403.70	183.70	17
18	-3.25	443.10	-167.40	718.00	-296.60	201.70	18
19	-10.03	422.60	-16.75	762.30	-340.40	223.50	19
20	-105.50	449.90	-273.80	735.70	-390.40	214.20	20
21	64.91	565.70	399.90	1126.00	-377.90	283.00	21
22	-187.30	477.10	-442.30	655.90	-402.10	164.90	22
23	-262.30	347.60	-353.60	390.00	-313.80	109.40	23
24	-262.30	374.90	-344.70	434.30	-534.30	165.70	24
25	-228.20	395.30	-353.60	567.30	-374.80	128.20	25
26	-344.10	361.30	-446.60	469.80	-396.70	129.80	26
27	-391.80	449.90	-672.70	638.20	-409.20	187.60	27
28	-221.30	415.80	-220.60	593.90	-444.40	185.30	28
29	-125.90	443.10	-663.80	664.80	-515.50	228.30	29
30	-139.60	483.90	-52.22	744.60	-563.20	235.30	30
31	-432.70	763.40	-123.20	1046.00	-435.00	261.80	31
32	-664.40	777.00	-344.70	1197.00	-403.70	311.90	32
33	-487.20	627.10	-486.60	1019.00	-289.60	386.90	33
34	-514.40	708.90	-300.40	1259.00	-423.30	236.10	34
35	-548.50	579.30	-460.00	1135.00	-418.60	275.10	35
36	-187.30	599.80	249.20	1206.00	-265.40	423.60	36



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	3.91	42.21	-223.20	203.80	-304.50	196.60	2
4	4.49	19.35	-179.50	169.80	-162.00	152.40	4
5	11.53	27.56	-228.10	373.50	-201.30	378.50	5
6	6.84	13.49	-72.81	140.70	-63.69	181.90	6
7	-11.34	58.63	-465.80	388.10	-422.50	353.90	7
8	.97	19.35	-140.80	160.10	-137.40	147.50	8
9	13.88	19.35	-252.30	203.80	-245.50	186.80	9
10	17.98	22.28	-296.00	228.00	-280.00	201.50	10
11	37.91	44.56	-441.50	295.90	-388.10	201.50	11
12	43.78	58.63	-433.70	349.30	-447.10	201.50	12
13	61.37	83.26	-703.40	577.30	-707.60	521.00	13
14	64.88	86.77	-824.70	582.10	-702.70	467.00	14
15	63.12	87.36	-761.70	635.50	-609.30	432.50	15
16	77.78	92.64	-1087.00	776.20	-796.10	501.40	16
17	10.94	25.80	-373.60	354.10	-402.80	373.60	17
18	9.77	34.01	-373.60	489.90	-447.10	545.60	18
19	1.56	30.49	-155.30	232.80	-107.90	216.30	19
20	9.18	31.07	-407.50	407.50	-461.80	442.40	20
21	110.60	136.00	-490.00	693.70	-461.80	589.80	21
22	13.29	37.53	-533.70	456.00	-633.80	398.20	22
23	19.74	17.00	-296.00	198.90	-234.70	167.10	23
24	22.08	19.35	-383.30	266.80	-319.30	231.00	24
25	12.12	25.80	-320.20	242.50	-456.90	231.00	25
26	28.53	25.80	-349.30	271.60	-319.30	231.00	26
27	31.46	34.59	-388.10	368.70	-309.40	339.20	27
28	8.01	26.38	-771.30	557.80	-687.90	540.70	28
29	49.05	41.63	-320.20	611.20	-437.30	614.40	29
30	3.91	34.01	-1208.00	1276.00	-968.10	742.20	30
31	29.12	81.50	-524.00	359.00	-442.20	245.80	31
32	66.06	93.81	-577.30	431.80	-481.50	304.80	32
33	41.43	70.36	-630.70	397.80	-427.40	280.20	33
34	47.29	75.05	-616.10	528.80	-442.20	324.40	34
35	70.14	95.57	-300.00	350.00	-923.80	786.50	35
36	-2.54	46.32	-208.70	470.50	-201.30	486.60	36



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
TCGW 20820 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-282.10	432.30	91.75	658.20	10.13	132.40	2
4	-364.40	418.50	12.81	1000.00	1.52	201.30	4
5	-295.30	487.10	-584.00	1158.00	-114.70	231.40	5
6	-288.90	370.50	-83.72	517.80	-15.70	104.40	6
7	-583.90	596.90	-1225.00	1255.00	-245.00	251.90	7
8	-261.40	370.50	-145.20	561.70	-30.77	113.00	8
9	-501.60	418.50	-118.80	570.40	-1.71	114.10	9
10	-549.60	439.10	-57.41	649.40	-12.47	131.30	10
11	-769.20	590.10	-189.10	833.70	-37.23	169.00	11
12	-920.10	768.40	74.22	1185.00	1.52	240.00	12
13	-796.60	1647.00	767.50	2334.00	166.20	480.10	13
14	-933.80	1441.00	767.50	2317.00	157.60	471.50	14
15	-686.80	1592.00	425.30	2308.00	91.91	466.10	15
16	-1037.00	1846.00	899.20	2466.00	189.80	499.50	16
17	-439.80	494.00	-22.31	947.80	-6.63	190.50	17
18	-384.90	548.90	-522.50	939.00	-106.10	192.70	18
19	-213.40	445.90	302.40	710.80	61.80	141.00	19
20	-433.00	555.80	-13.53	1185.00	3.68	237.90	20
21	-961.30	1276.00	-812.10	1738.00	-154.60	344.50	21
22	-686.90	1166.00	741.20	1992.00	149.00	308.30	22
23	-680.00	432.30	-294.40	658.20	-56.61	134.60	23
24	-604.50	507.70	504.20	1176.00	102.70	237.90	24
25	-577.10	548.90	-224.20	816.20	-40.46	165.80	25
26	-645.70	535.20	-4.75	719.60	-8.17	139.90	26
27	-261.50	1070.00	1312.00	1878.00	266.30	380.00	27
28	-1332.00	1029.00	890.40	1650.00	113.40	334.70	28
29	342.30	2223.00	1513.00	2606.00	309.40	522.10	29
30	-988.80	2786.00	1294.00	3475.00	258.80	699.70	30
31	-700.60	850.80	144.40	1115.00	31.66	222.80	31
32	-933.80	1002.00	12.78	1246.00	6.89	251.90	32
33	-885.30	485.10	548.10	1834.00	113.40	369.20	33
34	-1181.00	1057.00	-66.22	1430.00	-10.34	288.50	34
35	-2533.00	3067.00	-100.00	1000.00	10.09	1099.00	35
36	-583.90	665.50	144.40	1150.00	30.57	232.50	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
T0GW 20300 T0CG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-124.40	204.30	29.11	44.32	-128.80	180.40	2
4	-73.31	141.90	16.45	22.16	-76.34	151.30	4
5	6.16	153.30	18.03	30.07	-210.30	227.00	5
6	-33.56	136.30	13.29	25.32	-134.60	116.40	6
7	51.59	255.50	2.21	61.73	-262.60	349.30	7
8	-56.28	102.20	13.29	22.16	-128.80	122.30	8
9	-113.10	193.00	25.95	47.48	-146.20	174.60	9
10	-124.40	215.70	21.20	58.56	-152.00	203.70	10
11	-203.90	329.30	40.19	42.73	-204.40	291.00	11
12	-192.50	397.40	63.93	60.14	-256.80	390.00	12
13	-203.90	681.30	89.26	101.30	-361.60	564.60	13
14	-181.20	613.10	84.51	109.20	-355.80	570.40	14
15	-203.90	601.80	71.85	112.40	-303.30	611.20	15
16	-374.20	919.70	92.39	186.70	-408.20	739.20	16
17	-152.80	221.40	38.61	107.60	-262.60	256.10	17
18	-203.90	249.80	41.77	136.10	-268.40	331.80	18
19	-96.03	176.00	-0.96	58.56	-175.30	168.80	19
20	-130.10	244.10	48.11	126.60	-233.50	273.60	20
21	-255.00	516.60	35.44	126.60	-256.80	518.00	21
22	-249.30	647.20	32.28	151.90	-268.50	471.50	22
23	-141.40	210.10	27.53	39.57	-152.00	203.70	23
24	-226.60	238.40	30.70	68.06	-175.30	250.30	24
25	-152.80	323.60	43.36	77.55	-157.80	291.00	25
26	-152.80	266.80	35.44	63.31	-157.80	279.40	26
27	-249.30	499.60	18.03	163.00	-262.60	372.50	27
28	-152.80	505.20	76.60	139.30	-315.00	494.80	28
29	-482.00	879.90	30.70	220.00	-670.10	966.20	29
30	-448.00	789.10	106.60	245.30	-635.20	873.10	30
31	-186.80	391.70	44.94	47.48	-216.00	430.70	31
32	-215.20	522.30	57.60	53.81	-187.00	436.50	32
33	-203.90	420.10	63.93	63.31	-274.30	442.40	33
34	-209.50	414.40	56.02	74.39	-192.80	547.20	34
35	-1138.00	1751.00	157.30	340.30	-1360.00	1586.00	35
36	-135.80	295.20	3.79	161.40	-146.20	291.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126  
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-176.00	205.30	73.00	43.26	2
4	-41.09	176.00	33.25	44.43	4
5	-152.60	205.30	35.00	42.68	5
6	-17.63	117.30	42.02	43.84	6
7	-205.40	340.30	77.68	73.66	7
8	-88.03	117.30	42.60	35.08	8
9	-129.10	181.80	27.99	40.34	9
10	-140.80	217.10	20.98	39.17	10
11	-176.00	322.70	23.90	40.92	11
12	-129.10	404.80	39.10	59.63	12
13	-293.30	756.80	27.41	88.86	13
14	-340.30	698.10	4.60	102.30	14
15	-217.10	610.10	41.44	94.71	15
16	-328.50	756.80	15.71	116.90	16
17	-252.36	293.30	9.28	48.52	17
18	-264.00	387.20	15.13	61.38	18
19	-93.88	205.30	42.02	48.52	19
20	-240.60	352.00	36.17	60.21	20
21	-223.00	545.60	31.50	81.26	21
22	-246.40	627.70	2.85	142.60	22
23	-129.10	205.30	10.45	42.68	23
24	-82.14	334.40	-0.07	63.72	24
25	-88.03	352.00	23.90	53.78	25
26	-129.10	287.50	10.45	50.86	26
27	-205.30	586.70	55.46	112.20	27
28	-246.40	592.50	-12.93	112.80	28
29	-563.20	1121.00	37.34	171.30	29
30	-563.20	1015.00	5.19	187.10	30
31	-117.40	440.00	39.10	56.12	31
32	-217.10	422.40	32.08	80.67	32
33	-234.70	451.80	44.94	67.81	33
34	-176.00	451.70	55.47	65.47	34
35	-100.00	90.00	30.90	239.70	35
36	-123.20	328.50	31.50	69.57	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127  
TGGW 20800 TCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-251.20	187.00	-123.00	176.60	-92.81	157.40	2
3	-268.80	227.90	-134.80	188.40	-127.80	192.30	3
4	-262.90	257.20	-158.30	212.00	-127.80	215.70	4
5	-286.30	280.50	-176.00	229.60	-168.60	233.20	5
6	-298.00	315.60	-193.60	259.10	-180.30	268.10	6
7	-274.60	257.20	-170.10	212.00	-145.30	209.80	7
8	-280.40	274.70	-158.30	223.80	-139.40	239.00	8
9	-257.10	274.70	-117.10	206.10	-116.10	227.30	9
10	-309.70	432.50	-193.70	341.50	-168.60	326.40	10
11	-368.10	444.20	-205.40	341.50	-215.20	349.70	11
12	-175.30	286.40	-81.78	241.40	-69.50	239.00	12



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	37.02	24.56	-72.59	174.80	52.00	199.40	2
3	32.42	26.10	-82.31	194.30	52.00	209.20	3
4	37.02	24.56	-58.03	218.50	32.56	238.40	4
5	46.23	24.56	-72.56	242.80	27.69	262.70	5
6	53.91	29.17	-28.88	286.50	13.09	306.50	6
7	52.38	27.63	-33.75	223.40	-1.50	243.30	7
8	53.91	35.31	5.09	204.00	3.34	218.90	8
9	41.63	38.38	5.13	213.70	-1.50	223.80	9
10	58.52	42.98	-14.31	427.40	17.94	437.80	10
11	67.73	52.20	-19.16	364.20	22.81	403.80	11
12	35.49	124.30	-213.40	364.20	241.80	408.60	12

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127

TGW 20800 TCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-245.90	313.90	-318.50	397.70	-306.00	96.78	2
3	-293.70	334.40	-389.20	450.70	-332.50	113.90	3
4	-334.60	375.30	-424.50	503.70	-311.40	130.30	4
5	-361.90	402.60	-406.80	592.10	-377.80	154.50	5
6	-389.20	457.30	-424.60	733.50	-412.90	175.60	6
7	-348.30	389.00	-362.70	547.90	-349.70	137.40	7
8	-382.40	395.80	-406.80	609.80	-348.10	148.30	8
9	-300.50	341.20	-371.50	698.20	-227.20	191.20	9
10	-505.20	655.20	-504.10	1078.00	-441.00	252.10	10
11	-553.00	593.70	-548.30	1211.00	-428.50	227.10	11
12	-184.40	648.30	185.20	901.40	-387.90	406.60	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127  
TGGW 20800 TCGG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	23.26	19.34	-339.40	232.80	-285.10	206.70	2
3	29.12	20.51	-421.90	247.30	-339.20	201.80	3
4	30.88	22.26	-446.10	252.20	-358.90	191.90	4
5	34.98	32.22	-438.30	295.80	-413.00	226.40	5
6	47.28	48.04	-727.40	475.30	-595.10	506.90	6
7	34.98	32.22	-446.10	271.60	-378.60	201.80	7
8	47.28	39.84	-465.50	300.70	-408.10	241.20	8
9	36.74	43.36	-402.50	344.30	-304.80	295.30	9
10	69.55	83.20	-746.80	620.70	-723.10	575.80	10
11	79.51	111.90	-767.00	936.00	-767.30	620.10	11
12	9.20	36.91	-320.00	378.30	-211.30	329.80	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127

TSGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	*5030SDY	*5030ALT	*5040SDY	*5040ALT	*5050SDY	*5050ALT	EVENT
2	-160.70	452.50	-57.31	703.40	-20.98	131.30	2
3	-270.30	493.60	-236.20	691.50	-51.13	131.30	3
4	-304.60	486.70	-307.70	715.30	-65.12	134.60	4
5	-414.30	555.30	300.30	1276.00	51.13	240.10	5
6	-750.20	1138.00	1123.00	2408.00	211.60	445.70	6
7	-359.40	473.00	-45.41	786.90	-12.37	144.30	7
8	-407.40	493.60	-45.41	1025.00	-16.68	189.50	8
9	-332.00	473.00	-57.34	822.70	-24.21	151.80	9
10	-489.70	1357.00	526.90	1097.00	206.10	496.30	10
11	-757.10	2022.00	446.10	1455.00	256.80	652.40	11
12	38.16	706.10	336.10	930.00	60.84	180.90	12



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AIRCRAFT SLP1 FLIGHT 127  
TGGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-137.30	193.30	29.81	49.11	-155.00	192.30	2
3	-177.10	244.50	25.06	38.02	-184.20	233.10	3
4	-160.10	284.30	29.81	45.94	-172.50	268.00	4
5	-199.80	301.30	50.40	47.52	-207.50	279.70	5
6	-171.40	807.40	72.58	136.20	-289.10	407.90	6
7	-194.20	295.70	29.81	42.77	-207.50	256.40	7
8	-177.10	312.70	39.31	64.95	-225.00	273.80	8
9	-154.40	290.00	42.48	58.61	-166.70	262.20	9
10	-285.10	727.80	86.83	115.60	-318.20	541.90	10
11	-688.80	1029.00	153.40	144.10	-691.10	996.30	11
12	-97.50	233.10	15.55	110.90	-120.10	285.50	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127  
TSGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-128.30	205.30	-57.51	39.72	2
3	-128.30	240.40	-53.42	40.31	3
4	100.40	457.40	-56.92	42.64	4
5	-93.16	334.30	-70.36	43.23	5
6	-245.60	463.30	-59.84	102.80	6
7	-145.90	269.80	-83.21	46.73	7
8	-140.10	310.80	-80.29	40.31	8
9	-93.16	287.30	-86.13	46.15	9
10	1074.00	1900.00	-53.42	108.10	10
11	-400.00	700.00	-57.51	134.40	11
12	-93.13	275.60	-38.81	72.44	12

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AIRCRAFT SLP1 FLIGHT 128

TGGW 20800 TGG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
2	-93.19	338.40			-202.30	255.80	2
4	-163.20	408.40			-150.00	261.60	4
5	-297.40	402.60			-283.70	395.30	5
6	-303.20	431.80			-237.20	372.00	6
7	-285.70	461.00			-190.70	372.00	7
8	-297.40	461.00			-231.40	412.70	8
9	-227.40	519.30			-277.90	482.40	9
10	-268.20	548.50			-272.10	488.30	10
11	-291.60	466.80			-190.70	360.40	11
12	-227.40	531.00			-283.70	441.80	12
13	-169.00	484.30			-277.90	401.10	13
14	-198.20	525.20			-306.90	499.90	14

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-60.22	197.60	59.00	214.00	2
4	-35.53	291.50	10.38	321.00	4
5	-20.69	385.30	5.50	413.40	5
6	-15.75	429.80	10.34	457.20	6
7	-9.94	484.10	.63	496.10	7
8	-20.69	494.00	.66	505.30	8
9	-5.88	508.80	-9.09	515.60	9
10	8.94	573.10	-33.41	588.50	10
11	-9.91	513.80	-9.09	515.60	11
12	8.97	543.40	-18.81	544.30	12
13	-20.69	405.10	5.50	432.90	13
14	8.94	494.00	-13.97	510.70	14



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128

TOW 20800 TCR 9.7 AFT FLIGHT DATE 08/18/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-273.20	382.30	-360.30	521.90	-319.20	100.70	2
4	-437.00	491.60	-404.50	849.20	-359.80	142.80	4
5	-532.60	614.50	-475.30	1097.00	-355.10	205.20	5
6	-512.10	648.60	-492.90	1115.00	-437.00	237.20	6
7	-525.80	716.90	-510.60	1168.00	-408.90	279.40	7
8	-580.40	744.20	-546.00	1185.00	-465.10	285.60	8
9	-519.00	751.00	-616.80	1203.00	-413.60	313.70	9
10	-614.60	846.60	-793.70	1291.00	-432.30	357.40	10
11	-573.60	751.00	-466.40	1212.00	-430.00	283.30	11
12	-553.10	798.80	-625.60	1300.00	-430.80	313.70	12
13	-498.50	607.70	-431.00	1070.00	-415.20	217.00	13
14	-525.80	757.80	-563.70	1185.00	-430.80	279.40	14

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	23.98	26.33	-339.10	280.80	-252.30	230.70	2
4	40.95	57.34	-474.60	367.90	-340.70	211.00	4
5	61.43	81.33	-571.40	416.30	-424.10	216.00	5
6	57.92	84.84	-745.70	532.50	-576.30	456.40	6
7	62.02	87.77	-692.40	537.30	-512.40	353.40	7
8	62.60	86.01	-687.60	435.70	-492.80	274.90	8
9	58.50	93.62	-808.60	701.90	-699.00	569.30	9
10	86.59	110.00	-968.30	793.90	-811.80	564.50	10
11	73.13	95.37	-566.60	372.80	-419.20	240.50	11
12	83.08	111.20	-726.30	668.00	-546.80	554.60	12
13	53.24	77.82	-561.70	387.30	-379.90	220.90	13
14	60.84	84.25	-615.00	363.10	-492.80	265.10	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128

TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-402.10	486.00	-84.44	721.10	-223.30	121.50	2
4	-669.10	698.30	-1.69	1040.00	-245.00	212.60	4
5	-764.90	862.60	116.50	1300.00	-273.20	305.80	5
6	-682.80	1109.00	1145.00	2258.00	-594.20	518.40	6
7	-723.80	1095.00	412.10	2045.00	-305.70	401.30	7
8	-737.50	1109.00	483.00	1974.00	-543.20	569.40	8
9	-586.90	1643.00	719.40	2494.00	-460.80	651.80	9
10	-929.20	1753.00	518.50	2530.00	-461.90	650.70	10
11	-847.10	1013.00	-60.78	1454.00	-314.40	418.60	11
12	-518.50	1547.00	861.30	2731.00	-518.30	594.30	12
13	-792.30	890.00	-13.53	1289.00	-282.90	330.80	13
14	-847.10	1027.00	-143.60	1490.00	-298.10	430.60	14

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/13/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-123.20	244.50	21.59	41.15	-182.70	238.50	2
4	-140.30	363.90	42.17	49.07	-229.30	343.30	4
5	-174.40	454.90	64.33	58.57	-252.50	448.00	5
6	-225.50	494.70	105.50	121.90	-479.40	663.20	6
7	-151.60	500.40	95.99	118.70	-386.30	639.90	7
8	-168.70	517.50	70.66	150.40	-444.50	674.80	8
9	-236.90	756.30	61.16	182.00	-456.20	674.80	9
10	-163.00	853.00	124.40	156.70	-461.90	715.60	10
11	-140.30	500.40	45.33	153.50	-293.30	593.40	11
12	-214.20	642.60	35.84	166.20	-485.20	797.00	12
13	-157.30	460.60	-21.15	128.20	-334.00	541.00	13
14	-140.30	511.80	21.59	171.00	-374.70	674.80	14



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AIRCRAFT SLP1 FLIGHT 128  
TGGW 20300 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49670SDY	49670ALT	EVENT
2	10.65	37.50	2
4	10.65	46.87	4
5	26.47	66.21	5
6	34.09	79.68	6
7	40.53	81.44	7
8	42.29	94.92	8
9	25.30	115.40	9
10	29.40	112.50	10
11	49.32	87.89	11
12	45.22	104.90	12
13	23.54	72.65	13
14	35.84	90.82	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132  
TUGW 20800 TBOG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
3	-18.38	262.50	-60.53	117.90	7.94	145.40	3
4	-65.03	215.80	-19.25	453.90	-178.10	168.60	4
5	-41.69	332.50	-25.16	153.30	-120.00	110.50	5
6	-94.22	233.30	157.60	336.00	-114.20	127.90	6
7	-199.20	163.30	-107.70	165.10	-96.69	145.40	7
8	-193.40	169.20	-90.00	159.20	-90.88	139.60	8
9	-210.90	175.00	-107.70	165.10	-90.88	139.60	9
10	-216.70	192.50	-119.50	165.10	-96.69	145.40	10
11	-240.10	215.80	-149.00	206.30	-125.80	197.70	11
12	-222.60	210.00	-149.00	194.50	-114.20	174.50	12
13	-222.60	198.30	-137.20	182.80	-102.50	174.40	13
14	-164.20	256.70	-137.20	182.80	-114.20	174.50	14
15	-222.60	198.30	-143.10	176.90	-108.30	168.60	15
16	-245.90	245.00	-166.70	212.20	-149.00	209.30	16

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132  
TUGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
3	-350.70	439.70	-232.80	212.10	243.20	200.30	3
4	-355.30	435.10	-242.40	231.40	228.50	224.70	4
5	-349.10	441.30	-232.80	212.10	218.80	205.20	5
6	-341.40	448.90	-223.10	173.60	209.00	185.60	6
7	-367.50	422.80	-107.40	163.90	86.88	210.10	7
8	-39.85	101.30	-131.50	188.10	140.60	244.30	8
9	-30.64	82.88	-107.40	173.60	86.84	219.80	9
10	-22.94	81.34	-112.20	188.00	96.63	239.40	10
11	-366.00	424.40	-44.72	188.00	42.91	224.70	11
12	-3.01	61.39	-44.72	168.80	57.53	219.80	12
13	-15.29	76.74	-44.72	168.80	57.56	210.10	13
14	-26.03	81.34	-44.72	168.80	47.78	210.10	14
15	-39.85	101.30	-54.38	168.80	62.44	205.20	15
16	-6.08	61.39	-44.72	188.00	38.00	239.40	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
3	134.60	402.30	15.38	619.90	-295.90	171.00	3
4	80.04	402.30	-20.03	531.30	-284.90	181.90	4
5	25.53	388.70	-108.60	496.00	-293.50	228.00	5
6	-22.22	395.50	-28.91	575.70	-292.70	231.90	6
7	-158.60	327.30	-356.60	478.30	-314.60	130.40	7
8	-144.90	368.20	-250.30	549.10	-291.20	141.30	8
9	-192.70	388.70	-365.40	469.40	-313.00	139.80	9
10	-206.30	429.60	-303.40	478.30	-327.10	183.50	10
11	-356.30	347.80	-445.10	460.50	-352.10	130.40	11
12	-329.10	347.80	-436.30	451.70	-320.80	117.90	12
13	-308.60	354.60	-392.00	460.50	-309.90	114.80	13
14	-308.60	354.60	-383.20	451.70	-301.30	95.24	14
15	-281.30	354.60	-365.40	433.90	-318.50	93.69	15
16	-370.00	375.00	-454.00	522.50	-348.90	125.70	16



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132

TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
3	5.26	19.35	-141.00	179.60	-127.90	196.30	3
4	8.19	15.25	-150.80	140.80	-108.30	147.30	4
5	8.19	16.42	-184.80	174.80	-83.75	181.60	5
6	8.19	19.94	-150.80	140.80	-38.63	147.30	6
7	16.40	18.76	-238.10	199.00	-186.80	186.60	7
8	12.88	23.46	-223.60	223.30	-181.90	211.10	8
9	17.58	21.11	-252.70	233.00	-191.70	211.10	9
10	16.40	23.46	-281.80	242.70	-211.30	211.10	10
11	28.13	23.46	-369.20	281.60	-304.60	235.60	11
12	26.37	21.70	-306.10	257.30	-250.60	240.60	12
13	23.44	19.94	-291.50	233.00	-226.10	216.00	13
14	21.09	21.11	-296.40	237.90	-240.80	211.10	14
15	20.51	19.35	-296.40	237.90	-231.00	211.10	15
16	33.41	28.73	-378.90	252.40	-309.50	220.90	16

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AIRCRAFT SLP1 FLIGHT 132  
TCGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
3	-108.90	287.50	-51.84	544.30	-164.30	160.40	3
4	-184.20	294.30	-146.50	473.30	-213.10	144.20	4
5	-259.50	287.50	-63.69	532.40	-141.60	144.20	5
6	-273.20	287.50	-87.34	485.10	-156.70	148.50	6
7	-437.40	424.40	101.90	603.40	-207.70	114.90	7
8	-423.80	355.90	78.28	579.80	-180.60	168.00	8
9	-444.30	349.10	19.13	520.60	-190.40	180.00	9
10	-512.80	321.70	54.63	485.10	-195.80	217.90	10
11	-683.90	397.00	-4.50	567.90	-223.90	133.30	11
12	-608.60	390.20	-51.84	615.30	-263.00	120.30	12
13	-574.40	397.00	-28.19	638.90	-241.30	92.15	13
14	-574.30	438.10	-63.69	674.40	-235.90	106.30	14
15	-547.00	465.50	-63.69	674.40	-248.90	117.10	15
16	-731.80	472.30	-146.50	757.30	-238.00	132.30	16

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AIRCRAFT SLP1 FLIGHT 132  
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EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
3	-50.94	130.60	13.73	34.76	-143.80	133.80	3
4	-45.28	102.20	10.57	25.28	-149.70	116.40	4
5	-50.94	96.50	8.99	23.70	-138.00	104.80	5
6	-28.25	130.60	8.99	30.02	-103.10	139.70	6
7	-73.66	153.30	15.31	42.66	-138.00	163.00	7
8	-39.59	119.20	-4.49	45.83	-161.30	151.30	8
9	-39.59	141.90	5.83	42.67	-155.50	168.80	9
10	-39.59	141.90	5.83	36.35	-167.10	180.40	10
11	-124.80	204.40	20.05	41.08	-207.90	209.50	11
12	-113.40	204.30	18.47	36.34	-207.90	197.90	12
13	-102.10	193.00	16.89	34.76	-172.90	186.30	13
14	-107.80	198.70	15.31	42.66	-167.10	192.10	14
15	-107.70	210.00	20.05	50.57	-167.10	192.10	15
16	-136.10	249.80	16.89	28.44	-202.00	238.60	16

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AIRCRAFT SLP1 FLIGHT 132

TBGN 20800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
3	-186.70	111.80	35.91	37.37	3
4	-163.10	100.10	32.99	30.95	4
5	-169.00	94.19	32.99	30.95	5
6	-163.10	147.20	22.48	26.28	6
7	-169.00	164.80	30.07	43.21	7
8	-163.10	170.70	34.16	34.45	8
9	-163.10	182.50	38.83	28.61	9
10	-163.10	194.30	41.17	22.77	10
11	-204.30	223.70	35.33	25.11	11
12	-192.50	200.20	24.23	24.53	12
13	-174.90	182.50	27.74	28.03	13
14	-186.70	206.00	20.73	35.04	14
15	-163.10	206.00	20.15	40.29	15
16	-186.70	276.70	15.47	30.95	16



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AIRCRAFT SLP1 FLIGHT 133  
TEGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-177.30	134.40	-94.63	106.10	-71.84	99.03	2
3	-153.80	134.50	-23.88	106.10	-36.91	99.03	3
4	-183.10	128.60	-59.25	117.90	-71.88	110.70	4
5	-188.90	169.60	-71.06	141.50	-60.22	122.30	5
6	-200.60	181.30	-65.16	159.20	-77.69	139.80	6
7	-188.90	169.60	-71.06	153.30	-83.53	134.00	7
8	-212.30	181.30	-82.84	165.10	-95.19	145.60	8
9	-206.50	175.40	-94.66	165.10	-83.50	145.60	9
10	-247.40	251.40	-124.10	206.40	-118.50	215.50	10
11	-241.60	257.30	-124.10	218.20	-130.10	215.60	11
12	-247.40	263.10	-118.20	212.30	-130.10	215.60	12
13	-259.10	274.80	-124.10	218.20	-135.90	221.40	13
14	-276.60	374.10	-177.20	306.60	-170.90	291.30	14
15	-311.70	385.80	-177.20	318.40	-200.00	308.70	15
16	-276.70	385.80	-183.10	312.50	-170.90	302.90	16
17	-346.80	409.20	-212.60	342.00	-223.30	320.40	17
18	-276.60	374.10	-177.20	306.60	-176.70	297.10	18
19	-323.40	397.50	-200.80	318.40	-205.90	314.60	19
20	-276.60	420.90	-183.10	347.90	-159.30	337.90	20
21	-311.70	456.00	-183.10	371.50	-194.20	361.20	21
22	-294.20	438.50	-212.60	365.60	-153.40	355.30	22
23	-270.80	426.80	-189.00	353.80	-159.30	337.90	23
24	-300.00	456.00	-194.90	359.70	-200.00	355.30	24
25	-282.50	438.50	-194.90	359.70	-159.30	349.50	25
26	-300.00	479.40	-224.30	389.20	-170.90	372.80	26
27	-276.60	432.60	-183.10	359.70	-170.90	349.50	27
28	-282.50	450.20	-183.10	359.70	-165.10	355.30	28
29	-188.90	169.60	-76.94	159.20	-89.34	139.80	29
30	-188.90	169.60	-65.16	159.20	-83.53	134.00	30
31	-200.60	169.60	-65.16	171.00	-95.19	145.60	31
32	-224.00	181.20	-76.94	171.00	-95.19	145.60	32
33	-200.60	181.30	-76.94	171.00	-101.00	151.40	33
34	-200.60	204.60	-88.72	182.80	-112.70	174.80	34
35	-212.30	192.90	-94.63	176.90	-95.19	168.90	35
36	-206.50	187.10	-100.50	182.80	-101.00	163.10	36
37	-206.50	187.10	-94.66	165.10	-89.34	163.10	37
38	-206.50	187.10	-88.75	171.00	-95.16	157.30	38
39	-241.50	233.80	-112.30	194.60	-130.10	192.30	39
40	-241.50	233.80	-112.30	194.60	-124.30	198.10	40
41	-247.40	239.70	-118.20	200.50	-124.30	198.10	41
42	-235.70	228.00	-118.20	200.50	-135.90	198.10	42
43	-229.80	222.20	-112.30	194.60	-118.50	192.20	43
44	-270.80	344.90	-153.60	294.80	-153.40	273.80	44
45	-259.10	333.20	-153.60	283.00	-147.60	268.00	45
46	-300.00	350.80	-194.90	300.70	-182.60	291.30	46
47	-247.40	321.50	-165.40	283.00	-159.30	268.00	47
48	-270.80	344.90	-194.90	312.50	-165.10	297.10	48

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AIRCRAFT SLP1 FLIGHT 133  
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
49	-264.90	339.10	-165.40	294.80	-159.30	279.60	49
50	-335.10	385.80	-189.00	318.40	-188.40	308.80	50

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AIRCRAFT SLP1 FLIGHT 133  
TEGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-8.71	127.40	-198.40	207.40	181.00	204.70	2
3	11.24	95.16	-208.00	217.00	176.10	209.60	3
4	-25.60	101.30	-203.20	212.20	176.10	209.60	4
5	-33.27	127.40	-203.20	221.90	185.90	219.30	5
6	35.80	42.98	-116.40	183.30	49.41	209.60	6
7	35.80	36.84	-106.80	173.60	83.50	204.70	7
8	38.87	39.91	-111.60	178.40	103.00	214.40	8
9	35.80	39.91	-126.00	183.30	98.13	219.30	9
10	40.40	29.16	-39.22	212.20	25.06	243.70	10
11	40.40	29.16	-34.41	207.40	34.81	243.70	11
12	41.94	33.77	-34.41	207.40	25.06	233.90	12
13	45.01	36.84	-39.22	212.20	15.31	243.70	13
14	38.87	52.19	-19.94	366.60	.66	394.80	14
15	-102.30	193.40	-10.28	376.20	5.53	409.40	15
16	.50	81.35	-15.13	371.40	-4.22	409.40	16
17	-11.78	81.35	9.00	366.60	-13.97	409.40	17
18	-11.78	90.56	-10.28	347.30	-13.97	389.90	18
19	17.38	58.33	-5.47	352.10	-13.97	389.90	19
20	-16.39	98.23	-19.91	443.70	-23.69	477.60	20
21	26.59	70.61	-6.66	472.70	-9.06	492.30	21
22	-4.11	92.09	-39.22	472.70	.69	511.70	22
23	2.03	79.81	-10.28	453.30	-13.94	477.60	23
24	8.17	85.95	4.19	458.20	-33.44	487.40	24
25	23.52	76.74	-5.44	458.20	-28.56	482.50	25
26	-140.70	225.60	-19.94	482.30	-13.94	497.10	26
27	34.26	59.86	-5.44	458.20	-33.44	487.40	27
28	45.01	46.05	-24.75	477.50	-28.56	511.70	28
29	38.87	39.91	-92.28	188.10	73.78	204.70	29
30	41.94	39.91	-97.09	183.30	68.91	199.80	30
31	41.94	39.91	-101.90	168.80	88.38	199.80	31
32	41.94	39.91	-97.09	183.30	93.25	204.70	32
33	41.94	39.91	-111.60	188.10	88.38	229.10	33
34	34.24	35.30	-39.22	183.30	39.66	219.30	34
35	35.80	33.77	-29.56	164.00	49.41	199.80	35
36	34.24	29.16	-53.69	178.40	39.66	199.80	36
37	40.40	35.30	-48.88	173.60	39.66	199.80	37
38	35.80	30.70	-48.88	173.60	34.78	195.00	38
39	37.33	26.09	-48.88	192.90	25.06	233.90	39
40	38.87	27.63	-53.69	188.10	20.19	229.10	40
41	43.47	29.16	-39.22	202.60	15.31	233.90	41
42	45.01	33.77	-48.88	192.90	29.91	219.30	42
43	32.73	24.56	-53.69	188.10	34.78	224.20	43
44	46.54	38.37	-19.94	347.30	-9.09	375.30	44
45	52.68	38.37	-19.94	337.60	-9.09	365.50	45
46	54.22	42.98	-19.94	347.30	-18.84	375.30	46
47	48.08	36.84	-15.09	323.20	-9.09	365.50	47
48	52.68	44.51	-6.63	337.60	-23.72	370.40	48

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TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVEN
49	55.75	44.51	-5.47	332.80	-13.97	370.40	49
50	60.34	46.05	-15.09	361.70	-28.59	385.00	50



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AIRCRAFT SLP1 FLIGHT 133  
TGGW 20800 TGG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	91.75	395.60	-105.70	566.30	-253.50	207.40	2
3	112.20	443.30	-132.20	504.30	-216.80	163.00	3
4	105.40	382.00	124.40	513.20	-276.10	189.50	4
5	105.40	395.60	18.19	601.70	-276.10	261.20	5
6	-194.70	382.00	-282.70	584.00	-270.70	134.10	6
7	-140.20	368.30	-265.00	584.00	-296.40	130.20	7
8	-174.30	402.40	-256.10	610.50	-302.60	153.60	8
9	-174.30	416.10	-264.90	601.70	-301.10	161.40	9
10	-344.80	409.30	-371.10	601.70	-336.90	125.60	10
11	-344.80	395.60	-397.70	592.80	-299.50	128.70	11
12	-358.40	395.60	-380.00	575.10	-303.40	145.00	12
13	-378.90	402.50	-415.30	628.20	-290.20	141.20	13
14	-508.50	573.00	-424.20	1026.00	-383.00	184.00	14
15	-508.50	586.60	-468.50	1035.00	-368.10	194.20	15
16	-501.70	579.80	-450.80	1035.00	-378.30	191.80	16
17	-590.40	586.60	-468.50	1088.00	-433.60	222.20	17
18	-522.20	559.30	-424.20	1026.00	-366.60	175.40	18
19	-488.00	579.80	-503.80	1088.00	-436.80	200.40	19
20	-549.40	682.10	-441.90	1062.00	-386.80	264.30	20
21	-549.40	709.40	-583.50	1133.00	-453.90	304.90	21
22	-542.60	743.50	-441.90	1133.00	-395.40	304.10	22
23	-556.30	675.30	-503.80	1088.00	-418.80	266.70	23
24	-535.80	682.10	-574.70	1141.00	-429.70	279.20	24
25	-563.10	695.80	-521.60	1159.00	-422.70	262.80	25
26	-569.90	716.20	-539.30	1159.00	-472.60	300.20	26
27	-563.10	682.10	-539.30	1106.00	-432.10	270.60	27
28	-535.80	709.40	-583.50	1079.00	-424.30	323.60	28
29	-147.00	347.90	-300.30	548.60	-287.80	151.30	29
30	-140.20	341.10	-291.50	504.30	-282.40	150.50	30
31	-167.50	368.30	-300.30	548.60	-291.70	150.50	31
32	-181.10	395.60	-318.00	566.30	-282.40	155.20	32
33	-181.10	409.30	-291.50	539.80	-290.90	174.70	33
34	-283.40	347.90	-309.20	486.60	-320.60	140.40	34
35	-269.80	334.20	-344.60	504.30	-305.00	141.90	35
36	-235.70	341.00	-318.00	460.10	-287.00	111.50	36
37	-228.80	334.20	-318.00	442.40	-276.10	119.30	37
38	-242.50	334.20	-326.90	451.30	-284.70	106.10	38
39	-317.50	368.30	-326.90	557.40	-308.90	122.40	39
40	-324.30	361.50	-344.60	557.40	-316.70	124.00	40
41	-338.00	361.50	-344.60	557.40	-315.10	130.20	41
42	-344.80	368.30	-309.20	557.40	-303.40	154.40	42
43	-310.70	375.20	-300.30	548.60	-301.10	117.70	43
44	-488.10	538.90	-380.00	929.10	-395.40	213.70	44
45	-481.20	532.00	-353.40	920.20	-375.10	205.90	45
46	-501.70	525.30	-415.40	946.80	-426.60	210.60	46
47	-467.60	504.80	-353.40	902.50	-375.20	193.40	47
48	-474.40	525.20	-353.40	937.90	-385.30	203.50	48

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AIRCRAFT SLP1 FLIGHT 133  
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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-494.90	532.10	-380.00	946.80	-380.60	198.80	49
50	-529.00	552.50	-433.10	1035.00	-452.30	259.70	50

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AIRCRAFT SLP1 FLIGHT 133  
TORG 20800 TORG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	10.92	18.18	-126.80	193.90	-86.91	211.30	2
3	7.40	18.18	-102.50	179.30	-62.34	196.50	3
4	.36	13.49	-160.70	237.50	-101.70	235.80	4
5	6.81	16.42	-155.90	213.30	-136.10	191.60	5
6	17.96	24.04	-184.90	281.10	-96.75	230.90	6
7	12.68	22.29	-199.50	256.90	-111.50	216.20	7
8	11.51	24.63	-204.30	300.50	-101.70	235.80	8
9	14.44	26.39	-214.10	271.40	-121.30	216.20	9
10	26.75	31.67	-359.40	281.10	-288.40	255.50	10
11	29.10	31.67	-340.10	281.10	-288.40	245.70	11
12	29.10	31.67	-354.60	295.70	-268.70	255.50	12
13	33.20	34.60	-359.50	300.50	-283.40	240.80	13
14	46.11	66.27	-538.80	363.50	-367.00	206.30	14
15	55.49	70.96	-669.70	475.00	-568.40	427.50	15
16	50.21	70.38	-519.40	363.50	-396.40	216.20	16
17	52.54	80.93	-756.90	630.10	-602.80	579.80	17
18	44.35	72.72	-519.40	382.90	-371.90	211.30	18
19	61.35	82.69	-718.20	562.30	-602.80	530.70	19
20	53.73	73.89	-582.40	329.60	-470.20	240.80	20
21	64.29	85.62	-737.50	601.00	-656.80	515.90	21
22	61.35	90.90	-548.50	344.10	-475.10	255.50	22
23	59.01	75.65	-582.40	329.60	-489.80	260.40	23
24	61.34	86.79	-732.70	586.50	-612.70	501.20	24
25	59.59	82.10	-567.90	344.20	-470.20	240.80	25
26	67.80	90.31	-805.40	736.80	-612.70	628.90	26
27	57.84	76.82	-616.30	324.80	-504.60	255.50	27
28	62.53	76.82	-596.90	305.40	-514.40	294.80	28
29	13.85	21.11	-175.30	203.60	-165.50	201.50	29
30	13.26	20.53	-180.10	208.40	-170.50	196.50	30
31	13.24	24.04	-194.70	213.30	-175.40	201.40	31
32	16.20	23.46	-209.20	218.10	-180.30	216.20	32
33	16.78	22.87	-228.60	237.50	-204.80	221.10	33
34	18.54	22.29	-257.70	237.50	-224.50	230.90	34
35	19.71	21.11	-252.80	232.70	-214.70	230.90	35
36	18.54	21.11	-243.10	232.70	-219.60	216.20	36
37	18.54	19.94	-223.70	223.00	-195.00	211.30	37
38	17.96	20.53	-238.30	237.50	-195.00	230.90	38
39	27.34	33.43	-315.80	256.90	-254.00	240.80	39
40	29.10	34.01	-320.70	261.80	-249.00	235.80	40
41	30.27	35.19	-335.20	276.30	-258.90	226.00	41
42	30.86	34.60	-335.20	276.30	-239.30	216.20	42
43	27.34	32.25	-315.80	256.90	-268.70	235.80	43
44	49.04	62.16	-514.60	319.90	-416.10	206.40	44
45	46.69	62.16	-500.00	324.80	-376.80	196.50	45
46	49.04	72.72	-664.80	528.30	-529.10	515.90	46
47	43.17	63.34	-475.80	329.60	-362.10	181.80	47
48	46.69	71.55	-723.00	625.30	-553.70	569.90	48

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	46.11	66.27	-490.30	344.20	-376.80	196.50	49
50	51.97	81.52	-718.20	639.80	-553.70	540.50	50



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP: FLIGHT 133  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	155.60	486.10	-19.22	709.80	-199.30	187.70	2
3	121.40	397.10	122.70	638.80	-149.40	174.70	3
4	59.78	472.40	39.91	674.30	-144.00	173.60	4
5	-1.88	438.20	39.91	768.90	-144.00	197.50	5
6	-138.80	506.70	110.90	721.60	-199.30	133.50	6
7	-173.00	445.00	63.59	627.00	-189.60	123.70	7
8	-227.80	486.10	110.90	674.30	-191.70	125.90	8
9	-262.00	424.50	51.75	591.50	-152.70	143.20	9
10	-440.00	534.00	-149.40	816.30	-211.30	151.90	10
11	-467.40	493.00	-7.41	792.60	-226.40	123.70	11
12	-501.60	513.50	-7.41	792.60	-210.20	109.60	12
13	-535.90	547.80	63.56	816.30	-218.90	129.10	13
14	-741.30	862.70	-7.41	1313.00	-297.00	320.00	14
15	-741.30	931.20	903.50	2153.00	-504.20	575.00	15
16	-755.00	849.00	63.56	1289.00	-310.00	328.80	16
17	-871.40	1267.00	1601.00	2733.00	-468.40	643.40	17
18	-782.40	821.60	181.90	1242.00	-290.50	307.00	18
19	-631.80	1068.00	820.70	2330.00	-517.20	566.30	19
20	-755.00	917.50	-102.00	1431.00	-325.20	404.70	20
21	-666.00	1157.00	619.60	2508.00	-504.20	494.70	21
22	-755.00	931.20	-125.70	1502.00	-333.80	413.30	22
23	-789.20	938.00	-90.22	1467.00	-331.70	437.20	23
24	-618.00	1232.00	643.30	2532.00	-601.80	509.90	24
25	-802.90	951.70	39.91	1431.00	-334.90	440.50	25
26	-967.30	1390.00	1412.00	3253.00	-492.30	619.50	26
27	-850.80	944.80	-90.22	1467.00	-336.00	430.70	27
28	-796.10	917.40	-220.30	1455.00	-337.10	438.30	28
29	-207.20	369.70	28.09	615.20	-191.70	125.90	29
30	-207.30	383.40	63.59	627.00	-191.70	125.90	30
31	-227.80	362.90	-31.09	579.70	-192.80	129.10	31
32	-268.90	335.50	16.25	556.00	-182.00	150.80	32
33	-296.30	294.40	-31.06	556.00	-179.80	166.00	33
34	-433.20	376.60	63.59	579.70	-219.90	95.49	34
35	-419.50	403.90	16.25	627.00	-231.90	92.24	35
36	-337.30	417.70	4.41	662.50	-223.20	90.06	36
37	-310.00	445.00	-31.06	674.30	-234.10	98.75	37
38	-282.60	499.80	-54.72	698.00	-234.00	116.10	38
39	-467.40	479.30	-125.70	698.00	-227.50	131.30	39
40	-529.00	472.40	-54.72	698.00	-219.90	110.70	40
41	-549.60	493.00	16.25	674.30	-229.70	109.60	41
42	-563.30	493.00	39.91	650.70	-218.90	94.40	42
43	-474.30	486.10	-149.40	721.60	-211.30	136.70	43
44	-755.00	766.80	-90.22	1183.00	-282.90	321.10	44
45	-741.30	766.80	63.56	1148.00	-276.40	308.10	45
46	-980.90	1280.00	1034.00	2662.00	-408.70	703.00	46
47	-748.20	746.30	63.56	1100.00	-285.00	288.60	47
48	-926.20	1308.00	1447.00	2934.00	-397.90	713.90	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133  
TGGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-748.10	760.00	75.41	1136.00	-300.20	308.10	49
50	-700.20	1219.00	974.50	2674.00	-443.40	668.30	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133  
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-33.38	142.40	10.01	42.88	-121.80	163.40	2
3	-50.44	125.30	-7.45	38.11	-115.90	145.90	3
4	-61.84	148.10	2.07	44.46	-115.90	157.60	4
5	-61.84	159.50	8.42	44.46	-98.41	198.40	5
6	-90.34	188.00	2.07	44.46	-150.90	192.60	6
7	-67.53	142.40	5.25	34.94	-156.80	151.70	7
8	-78.94	153.80	14.78	38.11	-168.40	175.10	8
9	-78.94	153.80	10.01	36.52	-150.90	169.30	9
10	-135.90	267.70	22.71	30.17	-186.00	250.90	10
11	-135.90	267.70	24.30	31.76	-221.00	239.30	11
12	-130.20	284.80	25.89	39.70	-221.00	262.60	12
13	-130.20	296.20	29.07	39.70	-215.20	291.80	13
14	-141.60	432.90	48.12	49.23	-244.30	414.30	14
15	-181.50	575.30	83.06	106.40	-343.50	478.50	15
16	-141.60	444.30	57.65	55.58	-238.50	420.20	16
17	-284.00	871.50	127.50	141.30	-401.80	548.50	17
18	-124.50	438.60	56.06	57.17	-226.80	420.20	18
19	-198.60	638.00	84.65	108.00	-302.70	519.30	19
20	-147.30	461.40	56.06	57.17	-221.00	461.00	20
21	-232.80	569.60	94.17	104.80	-366.80	595.20	21
22	-164.40	478.50	59.24	60.34	-203.50	466.80	22
23	-135.90	484.20	62.41	63.52	-191.80	466.80	23
24	-221.30	581.00	95.76	112.70	-390.20	560.20	24
25	-130.20	501.30	43.36	63.52	-180.10	478.50	25
26	-255.50	854.40	102.10	150.90	-390.20	676.90	26
27	-147.30	484.20	60.83	58.76	-191.80	478.50	27
28	-158.70	472.80	60.83	61.93	-209.30	484.30	28
29	-16.28	159.50	14.78	41.29	-168.40	140.10	29
30	-61.84	125.30	19.54	39.70	-150.90	145.90	30
31	-73.25	125.30	14.78	38.11	-186.00	134.20	31
32	-61.84	136.70	10.01	39.70	-174.30	145.90	32
33	-73.25	136.70	10.01	36.52	-191.80	163.40	33
34	-118.80	193.70	21.13	28.58	-209.30	192.60	34
35	-124.50	188.00	14.78	25.41	-191.80	186.70	35
36	-130.20	182.30	14.78	25.41	-168.40	175.10	36
37	-107.40	182.30	13.19	30.17	-162.60	169.20	37
38	-118.80	193.70	17.95	34.94	-174.30	180.90	38
39	-118.80	239.30	30.65	34.94	-139.30	262.60	39
40	-141.60	250.60	17.95	25.41	-197.60	215.90	40
41	-135.90	267.70	16.36	27.00	-215.10	233.40	41
42	-113.10	267.70	17.95	31.76	-209.30	250.90	42
43	-135.90	244.90	14.78	25.41	-191.80	221.80	43
44	183.10	700.60	60.83	58.76	-250.20	385.20	44
45	160.30	666.50	54.47	52.40	-226.80	373.50	45
46	17.84	729.10	105.30	138.20	-308.50	490.20	46
47	-73.25	432.90	54.47	52.40	-215.20	373.50	47
48	23.54	939.90	103.70	120.70	-343.50	513.50	48

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AIRCRAFT SLP1 FLIGHT 133  
TSGN 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-96.06	410.10	54.47	52.40	-203.50	385.20	49
50	-96.07	649.30	111.60	122.30	-355.20	548.60	50



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-146.00	177.20	30.64	51.47	2
3	-122.40	141.80	30.06	45.03	3
4	-140.10	159.50	27.72	39.19	4
5	-92.88	218.60	23.04	40.35	5
6	-140.10	183.10	26.55	45.04	6
7	-157.80	153.60	24.21	40.36	7
8	-157.80	165.40	25.96	33.92	8
9	-163.80	159.50	22.45	30.41	9
10	-163.80	301.30	16.02	38.02	10
11	-157.80	271.70	18.94	29.24	11
12	-151.90	265.80	24.79	30.41	12
13	-163.80	289.40	33.57	35.68	13
14	-116.50	419.40	45.85	67.84	14
15	-270.10	454.80	41.17	77.20	15
16	-104.70	431.20	46.43	71.94	16
17	-276.00	543.40	40.58	112.90	17
18	-110.60	413.50	58.71	74.86	18
19	-293.70	490.30	56.38	81.88	19
20	-98.78	496.20	47.02	77.20	20
21	-281.90	537.50	48.19	88.90	21
22	-110.60	519.80	52.28	87.14	22
23	-104.70	513.90	54.62	84.80	23
24	-346.90	555.30	53.45	96.50	24
25	-81.04	513.90	68.07	93.58	25
26	-293.70	655.70	68.07	126.30	26
27	-98.78	519.80	56.96	87.14	27
28	-134.20	543.40	38.24	81.29	28
29	-16.09	248.10	23.62	35.09	29
30	-116.50	159.50	21.87	36.85	30
31	-122.40	153.60	21.87	32.17	31
32	-116.50	171.30	21.87	27.49	32
33	-122.40	177.20	20.11	24.56	33
34	-151.90	171.30	27.13	19.88	34
35	-151.90	183.10	24.79	23.39	35
36	-134.20	189.00	22.45	29.24	36
37	-128.30	183.10	21.87	36.85	37
38	-128.30	194.90	23.62	45.62	38
39	-27.91	366.20	17.77	36.26	39
40	-157.80	248.10	17.19	29.83	40
41	-146.00	248.10	23.04	29.83	41
42	-157.80	236.30	32.39	29.83	42
43	-128.30	254.00	13.09	39.77	43
44	-86.97	378.00	42.34	72.52	44
45	-86.97	378.00	37.66	69.01	45
46	-246.40	454.80	43.51	92.41	46
47	-110.60	366.20	45.26	69.60	47
48	-258.30	466.60	58.13	110.50	48

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
49	-110.60	378.00	53.45	75.45	49
50	-270.10	490.30	59.88	105.30	50

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FLIGHT LOADS

CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134  
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-235.20	192.90	-100.50	182.90	-106.30	157.30	2
3	-229.40	187.10	-112.30	182.90	-106.30	145.60	3
4	-217.70	175.40	-94.59	165.20	-82.97	134.00	4
5	-217.70	210.40	-106.40	200.60	-100.40	174.70	5
6	-229.40	198.80	-106.40	177.00	-100.40	174.70	6
7	-229.40	198.80	-106.40	177.00	-88.78	163.10	7
8	-241.10	187.10	-112.30	182.90	-100.40	163.10	8
9	-258.60	228.00	-130.00	224.20	-141.20	203.90	9
10	-258.60	228.00	-118.20	212.40	-129.50	203.80	10
11	-241.10	222.20	-124.10	218.30	-123.70	198.00	11
12	-264.50	222.20	-135.90	206.50	-129.50	192.20	12
13	-258.60	274.80	-159.50	253.70	-152.80	238.80	13
14	-264.50	280.60	-177.20	247.80	-158.70	244.60	14
15	-276.20	292.30	-183.10	253.70	-164.50	250.40	15
16	-235.20	192.90	-100.50	159.30	-94.59	145.60	16
17	-217.70	175.40	-88.72	159.30	-100.40	139.80	17
18	-223.50	181.20	-94.59	153.40	-88.78	128.20	18
19	-235.20	204.60	-106.40	188.80	-112.10	174.80	19
20	-229.40	187.10	-100.50	182.90	-94.59	168.90	20
21	-235.20	192.90	-100.50	182.90	-94.59	168.90	21
22	-235.20	192.90	-94.59	177.00	-82.97	168.90	22
23	-235.30	251.40	-112.30	230.10	-117.90	203.80	23
24	-241.10	233.80	-106.40	224.20	-112.10	209.70	24
25	-270.30	333.20	-153.60	295.00	-147.00	267.90	25
26	-287.80	339.00	-171.30	289.10	-164.50	273.80	26
27	-276.20	339.00	-165.40	295.00	-164.50	273.80	27
28	-282.00	344.90	-159.50	289.10	-158.70	279.60	28
29	-276.20	350.70	-153.60	295.00	-158.70	279.60	29
30	-317.10	356.60	-189.00	295.00	-164.50	297.10	30
31	-293.70	426.70	-177.20	342.20	-141.20	320.30	31
32	-299.60	420.90	-171.30	348.10	-135.40	326.20	32
33	-282.00	403.30	-171.30	324.50	-147.00	314.50	33
34	-305.40	415.00	-183.10	348.10	-152.80	320.30	34
35	-282.00	403.30	-165.40	330.40	-152.80	308.70	35
36	-282.00	415.00	-183.10	348.10	-158.70	326.20	36
37	-270.30	321.50	-141.80	271.30	-135.40	256.30	37
38	-252.80	327.30	-153.60	283.20	-141.20	262.10	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134

TOW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	48.18	46.02	-154.90	183.30	151.70	214.50	2
3	46.64	41.42	-154.90	183.30	141.90	204.70	3
4	46.64	38.35	-145.30	183.30	132.20	204.70	4
5	35.90	33.75	-53.63	188.10	63.94	224.30	5
6	42.04	30.68	-63.25	188.10	63.94	224.30	6
7	40.51	29.15	-72.91	178.40	73.69	214.50	7
8	28.23	26.08	-77.75	183.30	63.94	204.80	8
9	54.31	36.82	-58.44	192.90	39.56	209.60	9
10	51.24	30.68	-63.28	197.70	49.31	229.10	10
11	52.78	26.08	-77.72	202.50	39.56	229.10	11
12	43.57	26.08	-77.75	192.90	49.31	219.40	12
13	63.52	33.75	-39.16	250.80	.59	297.30	13
14	63.52	36.82	-43.97	255.60	5.44	302.20	14
15	63.52	39.83	-39.16	260.40	.56	307.10	15
16	52.78	41.42	-150.10	207.40	112.70	224.20	16
17	49.71	47.56	-140.40	178.40	122.40	195.00	17
18	51.24	39.88	-130.80	178.40	98.06	199.90	18
19	37.44	35.29	-48.81	192.90	44.44	234.00	19
20	42.04	30.68	-63.28	197.70	39.56	229.10	20
21	42.04	30.68	-68.09	192.90	49.31	229.10	21
22	40.51	32.22	-63.25	188.10	49.31	229.10	22
23	45.11	36.82	-43.97	207.30	24.97	234.00	23
24	43.57	29.15	-34.34	207.30	5.47	234.00	24
25	55.85	41.42	-15.03	332.70	-4.31	360.70	25
26	58.92	47.56	4.25	332.80	-28.69	365.60	26
27	58.92	41.42	-10.22	337.50	-9.19	365.60	27
28	66.59	42.95	-24.69	323.10	-38.44	365.60	28
29	55.85	41.42	-.56	337.60	-23.81	370.40	29
30	55.85	44.49	13.91	323.10	-43.31	370.40	30
31	42.04	52.16	-24.69	448.40	-14.06	467.90	31
32	51.24	52.16	4.25	448.40	-28.69	463.10	32
33	60.45	46.02	-19.84	424.30	-14.06	438.70	33
34	68.12	47.56	9.06	443.60	-33.56	467.90	34
35	65.05	47.56	-10.22	424.30	-23.81	448.40	35
36	58.92	47.56	13.88	438.80	-38.44	463.10	36
37	48.18	33.75	-15.06	313.40	-9.19	346.10	37
38	51.24	39.88	-24.69	332.80	-9.19	365.60	38



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-166.80	395.50	-362.00	610.60	-323.80	199.70	2
3	-160.00	375.00	-308.90	575.20	-321.40	169.30	3
4	-125.90	354.60	-308.90	522.10	-312.10	150.50	4
5	-289.60	340.90	-335.50	513.20	-336.30	149.80	5
6	-262.30	340.90	-335.50	495.50	-326.10	139.60	6
7	-241.80	347.70	-344.30	469.00	-316.00	134.20	7
8	-255.50	320.50	-353.20	442.40	-323.00	119.30	8
9	-371.40	381.80	-370.80	513.20	-340.10	164.60	9
10	-330.50	368.20	-370.80	530.90	-355.70	149.00	10
11	-337.30	361.40	-335.50	530.90	-349.50	142.70	11
12	-296.40	347.80	-335.50	513.20	-345.60	135.70	12
13	-432.80	429.60	-238.10	716.80	-362.00	153.60	13
14	-432.80	429.60	-255.80	752.10	-388.50	161.40	14
15	-419.10	429.60	-238.10	769.80	-410.30	167.70	15
16	-125.90	395.50	-291.20	539.80	-330.80	186.40	16
17	-132.70	388.70	-300.10	584.00	-312.90	173.10	17
18	-125.90	354.60	-282.40	495.50	-301.90	151.30	18
19	-248.70	340.90	-300.10	442.40	-335.50	164.50	19
20	-241.80	306.80	-326.60	415.90	-347.90	161.40	20
21	-262.30	327.30	-282.40	407.10	-339.40	149.80	21
22	-262.30	313.70	-335.50	424.70	-331.60	145.10	22
23	-385.00	368.20	-317.80	424.70	-350.30	215.20	23
24	-350.90	347.80	-335.50	442.40	-360.40	183.30	24
25	-466.80	518.20	-370.90	920.20	-403.30	193.40	25
26	-453.20	518.20	-370.90	920.20	-379.10	209.80	26
27	-460.00	525.00	-423.90	937.90	-400.20	195.00	27
28	-432.80	525.00	-362.00	964.50	-385.40	203.60	28
29	-473.70	525.00	-432.80	964.50	-394.70	200.40	29
30	-500.90	525.00	-397.40	999.90	-386.90	198.90	30
31	-494.10	627.30	-409.80	982.20	-477.40	328.30	31
32	-480.50	627.30	-574.40	999.90	-485.20	322.10	32
33	-487.30	606.80	-539.00	964.50	-455.50	286.20	33
34	-507.80	627.30	-521.30	999.90	-458.70	326.80	34
35	-487.30	606.80	-521.30	1018.00	-439.20	291.70	35
36	-473.70	606.80	-494.80	1026.00	-449.30	301.80	36
37	-405.50	511.40	-406.30	831.80	-383.00	179.40	37
38	-439.60	518.20	-397.40	876.00	-385.40	203.60	38

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134

TOW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	20.96	26.98	-296.30	179.30	-254.30	162.20	2
3	16.85	26.39	-267.30	179.30	-224.80	162.20	3
4	14.51	22.87	-228.40	179.30	-215.00	162.20	4
5	20.96	22.29	-306.00	237.50	-239.60	216.30	5
6	20.37	20.53	-286.60	227.80	-244.50	211.30	6
7	18.61	19.94	-267.20	218.10	-224.80	201.50	7
8	20.96	18.77	-296.30	208.40	-244.50	181.80	8
9	34.45	32.26	-378.70	271.40	-293.60	201.50	9
10	32.10	33.43	-364.20	247.20	-303.50	191.70	10
11	30.93	32.26	-364.20	237.50	-308.40	196.60	11
12	28.58	31.08	-349.60	213.30	-283.80	181.80	12
13	43.83	54.54	-475.60	358.60	-406.60	344.00	13
14	45.59	56.30	-495.00	407.10	-436.20	393.20	14
15	45.00	58.06	-470.80	431.30	-426.30	412.80	15
16	16.27	24.63	-393.30	285.90	-396.80	265.40	16
17	14.51	25.22	-446.60	368.30	-441.10	358.80	17
18	13.92	22.29	-412.60	324.70	-421.40	358.80	18
19	20.96	22.29	-349.60	242.30	-313.30	211.30	19
20	21.54	19.35	-315.70	237.50	-283.80	221.20	20
21	18.61	18.77	-422.30	363.50	-401.70	417.70	21
22	19.20	20.53	-436.80	368.30	-450.90	457.10	22
23	30.34	26.98	-432.00	382.90	-519.70	555.30	23
24	29.17	28.15	-567.70	508.90	-460.70	594.70	24
25	45.59	62.16	-509.50	334.40	-396.80	206.40	25
26	50.87	67.44	-572.60	533.10	-539.30	496.30	26
27	46.76	63.34	-465.90	319.90	-431.20	191.70	27
28	47.94	68.03	-572.60	552.50	-504.90	540.60	28
29	49.70	66.27	-485.30	339.30	-391.90	191.70	29
30	53.80	75.06	-630.70	591.30	-539.30	545.50	30
31	59.08	70.96	-640.40	571.90	-598.30	525.80	31
32	61.42	75.65	-703.40	664.00	-588.50	594.70	32
33	52.63	66.85	-591.90	329.60	-450.90	250.60	33
34	60.25	75.65	-679.20	668.80	-598.30	614.30	34
35	52.63	68.03	-616.20	324.70	-450.90	260.40	35
36	54.97	76.24	-698.60	678.50	-573.80	599.60	36
37	35.62	51.02	-480.50	305.30	-387.00	176.90	37
38	42.07	57.47	-490.20	315.00	-382.10	191.70	38

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134  
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/25/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-351.20	253.30	16.88	579.60	-274.20	125.80	2
3	-303.30	287.60	-30.44	532.30	-301.30	120.40	3
4	-289.50	342.30	-6.78	555.90	-332.80	164.90	4
5	-447.00	349.20	52.34	567.70	-257.90	98.74	5
6	-440.20	369.70	-6.78	603.20	-280.70	91.14	6
7	-364.80	390.30	-30.44	626.90	-277.50	100.90	7
8	-385.40	438.20	-101.40	650.50	-281.80	122.60	8
9	-583.90	499.80	16.84	626.80	-278.60	104.20	9
10	-556.60	472.40	-30.44	626.90	-290.50	122.60	10
11	-522.30	451.90	-18.59	615.00	-319.80	138.90	11
12	-488.10	431.30	76.00	591.40	-343.70	173.60	12
13	-638.70	883.20	572.80	1821.00	-413.10	483.90	13
14	-604.50	1054.00	726.50	2022.00	-438.00	586.90	14
15	-604.50	1068.00	821.20	2117.00	-426.10	590.20	15
16	-392.30	376.60	241.60	1135.00	-381.60	281.00	16
17	-351.20	431.30	87.81	1242.00	-419.60	340.70	17
18	-351.20	404.00	182.50	1218.00	-403.30	346.10	18
19	-494.90	383.40	430.80	1041.00	-272.10	223.50	19
20	-501.80	417.70	537.30	1218.00	-274.20	303.80	20
21	-563.40	794.20	762.00	1798.00	-394.70	597.80	21
22	-529.20	910.60	1070.00	1821.00	-431.50	610.80	22
23	-597.70	1171.00	1330.00	2531.00	-312.20	799.50	23
24	-262.10	1588.00	1708.00	2649.00	-348.00	763.80	24
25	-782.50	725.80	135.10	1289.00	-297.00	300.50	25
26	-830.40	1157.00	1235.00	2602.00	-409.80	701.90	26
27	-755.10	739.40	40.53	1171.00	-323.00	304.80	27
28	-809.90	1301.00	1412.00	2827.00	-440.20	671.50	28
29	-755.10	766.80	5.03	1183.00	-306.80	310.30	29
30	-679.80	1239.00	1235.00	2697.00	-435.90	675.90	30
31	-762.00	1171.00	454.50	2413.00	-345.40	566.30	31
32	-700.30	1383.00	951.30	2744.00	-422.90	688.90	32
33	-857.80	842.10	5.06	1396.00	-336.10	402.50	33
34	-686.70	1520.00	951.30	2791.00	-407.70	704.10	34
35	-851.00	849.00	-42.25	1301.00	-338.20	419.80	35
36	-714.00	1383.00	1070.00	2839.00	-405.50	706.30	36
37	-762.00	691.50	-148.70	1100.00	-289.40	290.80	37
38	-762.00	718.90	-148.70	1124.00	-292.70	302.70	38

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134  
TSGN 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-101.10	130.90	17.98	31.77	-179.70	140.00	2
3	-101.10	130.90	21.16	34.94	-191.30	128.30	3
4	-106.80	136.60	24.34	41.29	-173.90	134.20	4
5	-129.60	193.50	29.10	39.71	-220.50	180.80	5
6	-146.60	199.20	22.75	30.18	-203.00	175.00	6
7	-135.30	187.80	21.16	31.77	-185.50	169.20	7
8	-135.30	210.60	24.34	41.29	-185.50	180.80	8
9	-129.50	284.50	25.93	39.71	-232.20	250.90	9
10	-158.00	278.90	27.51	34.94	-232.20	239.20	10
11	-158.00	278.90	24.34	34.94	-208.80	227.50	11
12	-146.60	278.90	29.10	39.71	-179.70	233.40	12
13	-146.60	472.40	67.22	84.18	-261.40	350.10	13
14	-186.40	580.50	75.16	114.40	-278.90	367.60	14
15	-186.40	591.90	76.75	135.00	-296.40	385.10	15
16	-106.80	182.10	29.10	42.88	-226.40	186.70	16
17	-152.30	227.60	33.87	50.82	-284.70	221.70	17
18	-135.30	199.20	38.63	68.30	-249.70	210.00	18
19	-129.60	193.50	37.04	57.18	-220.60	204.20	19
20	-123.80	210.60	32.28	77.83	-214.70	210.00	20
21	-158.00	472.40	17.98	117.50	-226.30	466.70	21
22	-146.60	472.40	16.39	119.10	-214.70	408.40	22
23	-186.40	808.10	13.22	138.20	-226.40	490.10	23
24	-283.20	734.20	6.86	160.40	-395.60	729.30	24
25	-152.30	398.40	49.75	60.36	-249.70	385.00	25
26	-192.20	756.90	70.40	150.90	-331.40	466.70	26
27	-146.60	392.70	57.69	55.59	-243.90	379.20	27
28	-243.40	785.40	81.52	133.40	-337.20	449.20	28
29	-118.20	398.40	54.52	55.59	-232.20	379.20	29
30	-232.00	728.50	103.80	130.20	-366.40	490.10	30
31	-158.00	529.30	100.60	123.90	-348.90	507.60	31
32	-180.80	665.90	70.40	154.10	-348.90	554.30	32
33	-158.00	438.20	59.28	60.35	-203.00	408.40	33
34	-214.90	722.80	76.75	150.90	-383.90	600.90	34
35	-118.20	443.90	54.51	58.77	-220.50	414.20	35
36	-209.20	739.80	73.57	163.60	-354.70	560.10	36
37	-140.90	375.60	43.40	47.65	-238.10	338.40	37
38	-135.30	381.30	51.34	52.41	-226.40	350.10	38



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134  
TORGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-145.50	165.30	24.82	22.22	2
3	-151.40	147.60	25.99	26.90	3
4	-157.30	165.30	27.16	31.58	4
5	-157.30	177.10	30.08	22.80	5
6	-121.90	188.90	28.33	19.88	6
7	-121.90	188.90	26.57	26.31	7
8	-110.10	200.80	21.90	34.50	8
9	-175.00	230.30	34.18	31.57	9
10	-139.60	218.50	23.07	35.67	10
11	-139.60	242.10	9.03	45.02	11
12	-110.10	259.80	4.94	45.61	12
13	-175.00	360.20	30.67	63.15	13
14	-175.00	383.80	38.27	67.24	14
15	-157.30	377.90	52.30	68.41	15
16	-180.90	307.00	23.65	38.59	16
17	-239.90	377.90	20.14	42.10	17
18	-192.70	318.80	13.71	39.18	18
19	-145.50	248.00	28.91	41.51	19
20	-98.28	295.20	18.39	43.85	20
21	-104.20	513.70	18.39	92.97	21
22	-127.80	513.70	9.61	105.20	22
23	-15.59	507.80	24.82	113.40	23
24	-228.20	755.80	37.10	122.20	24
25	-133.70	366.10	24.82	74.84	25
26	-186.80	454.60	27.16	95.89	26
27	-104.20	360.20	33.59	77.77	27
28	-169.10	472.30	37.10	92.97	28
29	-68.72	372.00	44.70	79.52	29
30	-216.30	460.50	40.02	91.21	30
31	-281.30	525.50	31.84	86.54	31
32	-240.00	578.60	31.83	124.00	32
33	-92.32	454.60	42.36	90.04	33
34	-204.50	614.00	42.36	120.50	34
35	-74.66	460.50	53.47	96.48	35
36	-222.30	549.10	51.72	124.00	36
37	-74.62	342.40	7.28	67.83	37
38	-68.72	360.20	11.37	68.41	38

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-201.80	181.00	-87.69	159.20	-74.56	145.60	2
3	-213.50	204.30	-111.30	182.80	-80.38	174.80	3
4	-254.40	268.60	-146.60	229.90	-132.80	227.20	4
5	-266.00	338.60	-170.20	288.90	-144.50	273.80	5
6	-289.40	385.30	-187.90	318.40	-150.30	302.90	6
7	-277.80	432.00	-193.80	359.70	-156.10	355.30	7
8	-306.90	437.80	-187.90	365.60	-161.90	349.50	8
9	-283.60	414.50	-170.30	336.10	-138.60	326.20	9
10	-277.70	350.30	-158.40	277.10	-144.50	285.40	10
12	-248.60	274.40	-117.20	212.30	-121.20	215.50	12
13	-231.00	210.20	-93.59	188.70	-92.03	174.70	13
14	-213.50	192.70	-81.78	165.10	-80.38	151.40	14
15	-190.20	169.30	-64.13	159.20	-68.72	139.80	15
16	-225.20	204.30	-99.47	182.80	-86.19	180.60	16
17	-248.50	262.70	-134.80	218.20	-109.50	227.20	17
18	-271.90	344.40	-152.50	294.80	-138.70	279.60	18
19	-266.00	397.00	-164.30	342.00	-132.80	320.40	19
20	-277.70	408.70	-164.30	342.00	-150.30	326.20	20
21	-271.90	344.40	-170.20	288.90	-132.80	273.80	21
22	-248.50	262.70	-123.10	218.10	-103.70	221.30	22
23	-231.00	210.20	-93.59	188.70	-97.88	180.60	23
25	-184.30	175.10	-70.00	153.30	-68.72	139.80	25
26	-283.60	297.80	-134.90	265.30	-156.10	262.10	26
27	-306.90	379.50	-217.40	324.30	-196.90	314.60	27
28	-277.70	455.30	-217.40	383.20	-132.80	367.00	28

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TQGN 20800 TQCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-368.00	422.40	-65.31	173.50	81.22	204.70	2
3	-366.40	423.90	-31.59	188.00	47.09	219.30	3
4	-360.30	430.10	-26.78	192.80	17.84	268.10	4
5	-361.80	428.50	-12.31	303.60	8.09	365.60	5
6	-352.60	437.70	2.13	347.00	3.22	429.00	6
7	-346.50	443.90	6.94	438.60	-11.41	482.60	7
8	-343.40	446.90	21.44	443.40	-21.16	482.60	8
9	-346.50	443.90	11.78	385.50	-16.28	458.20	9
10	-354.20	436.20	2.16	279.50	-6.53	370.50	10
12	-358.30	431.60	-17.16	192.80	17.84	258.30	12
13	-357.20	433.10	-26.78	163.80	32.47	204.70	13
14	-109.60	176.30	-60.53	149.40	81.22	214.50	14
15	39.10	36.79	-55.69	163.90	61.72	195.00	15
16	23.77	27.60	-26.78	183.20	12.97	214.50	16
17	39.10	27.60	-2.69	236.10	-6.53	263.20	17
18	48.30	39.86	2.13	347.00	-30.91	375.30	18
19	52.90	44.46	11.75	443.40	-21.16	463.10	19
20	46.77	50.59	31.06	433.80	-30.91	453.30	20
21	49.83	44.46	6.97	342.20	-16.28	370.50	21
22	42.17	30.66	-2.69	216.90	-16.28	253.50	22
23	29.90	30.66	-26.78	183.20	8.09	209.60	23
25	34.50	38.33	-55.72	154.20	71.47	195.00	25
26	-343.40	446.90	-113.50	250.60	17.84	277.80	26
27	-335.80	454.60	6.97	380.70	17.84	404.60	27
28	-338.80	451.50	-2.69	486.80	-16.28	497.20	28

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/26/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-175.90	382.30	-317.50	530.50	-251.70	130.30	2
3	-278.30	389.10	-317.50	477.50	-275.90	106.10	3
4	-373.90	430.10	-423.60	636.60	-286.80	137.30	4
5	-483.10	566.60	-441.30	937.30	-347.70	181.00	5
6	-565.00	621.20	-459.00	1079.00	-358.60	199.80	6
7	-558.20	682.60	-538.50	1141.00	-398.40	253.60	7
8	-585.50	682.60	-529.70	1203.00	-370.30	236.50	8
9	-544.50	669.00	-485.50	1158.00	-369.60	243.50	9
10	-496.80	525.60	-388.20	990.30	-334.40	152.20	10
12	-394.30	423.20	-405.90	654.30	-268.90	150.60	12
13	-278.30	389.10	-344.00	557.10	-266.60	112.40	13
14	-216.90	368.60	-326.30	610.10	-265.00	129.60	14
15	-196.40	334.50	328.00	468.60	-259.50	131.90	15
16	-285.10	341.30	266.10	477.50	-263.40	109.30	16
17	-373.90	402.80	257.20	627.80	-300.10	131.90	17
18	-462.60	532.40	213.10	919.60	-349.30	202.90	18
19	-510.40	634.80	168.80	1035.00	-385.90	286.40	19
20	-524.10	634.80	168.80	1070.00	-402.30	270.00	20
21	-476.30	546.10	266.10	937.20	-358.60	184.20	21
22	-346.60	416.40	124.60	725.00	-268.10	140.50	22
23	-271.50	368.60	292.60	539.40	-268.90	122.50	23
25	-155.40	334.50	328.00	574.70	-240.00	138.90	25
26	-455.80	525.60	274.90	769.30	-434.30	214.60	26
27	-599.20	641.70	-361.70	1088.00	-491.30	209.10	27
28	-571.80	750.90	-627.00	1229.00	-425.70	305.90	28



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TSGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVEN
2	12.86	21.10	-171.40	261.90	-100.00	216.00	2
3	18.72	23.45	-258.70	252.30	-222.80	240.60	3
4	34.55	39.28	-336.30	291.10	-311.20	260.20	4
5	41.00	64.48	-486.70	373.50	-335.70	225.80	5
6	52.72	78.55	-515.80	383.20	-375.00	225.80	6
7	56.24	84.42	-588.60	378.40	-438.80	230.80	7
8	58.58	87.93	-578.80	388.10	-443.70	235.70	8
9	53.31	87.35	-515.80	402.60	-404.40	235.70	9
10	44.51	72.69	-496.40	402.60	-316.00	225.80	10
12	33.38	39.28	-350.80	295.90	-252.20	240.60	12
13	22.24	29.31	-229.60	262.00	-188.40	245.50	13
14	15.79	27.55	-137.40	276.50	-70.56	245.50	14
15	14.03	22.28	-171.40	213.40	-178.60	206.20	15
16	21.06	24.62	-249.00	242.60	-222.80	230.80	16
17	31.62	37.52	-321.80	257.10	-296.40	216.00	17
18	42.76	61.55	-520.60	378.40	-399.50	270.00	18
19	52.72	72.69	-598.30	485.10	-502.60	373.10	19
20	55.06	75.04	-535.20	480.30	-429.00	299.50	20
21	41.58	62.73	-472.10	329.90	-384.80	196.40	21
22	29.86	36.93	-355.70	271.70	-257.10	186.60	22
23	23.99	27.55	-234.40	257.10	-212.90	240.60	23
25	14.03	23.45	-171.40	223.10	-158.90	206.20	25
26	43.93	43.97	-758.30	732.50	-659.70	765.90	26
27	39.82	84.42	-768.10	761.60	-699.00	707.00	27
28	61.51	95.55	-763.20	640.30	-561.50	510.60	28

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 02/26/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-259.60	492.50	86.59	710.00	-180.70	103.10	2
3	-389.50	499.30	27.41	698.20	-215.40	111.80	3
4	-587.30	533.60	-31.72	875.70	-246.90	152.00	4
5	-827.30	759.30	27.41	1195.00	-262.10	264.90	5
6	-868.40	855.00	133.90	1231.00	-275.10	310.50	6
7	-882.10	937.10	133.90	1349.00	-309.80	390.80	7
8	-909.40	950.80	181.30	1373.00	-316.30	403.80	8
9	-888.00	930.30	193.10	1408.00	-289.20	381.00	9
10	-800.00	773.00	145.80	1195.00	-276.20	263.80	10
12	-670.00	547.20	62.94	828.30	-182.80	150.90	12
13	-505.80	465.20	3.78	698.20	-172.00	118.30	13
14	-307.50	485.70	157.60	710.00	-201.30	121.60	14
15	-328.00	437.80	39.28	662.70	-206.70	109.70	15
16	-423.80	478.80	-67.25	674.50	-207.80	117.30	16
17	-601.60	492.50	-114.60	769.20	-220.80	147.60	17
18	-779.50	820.80	417.90	1704.00	-450.90	321.30	18
19	-704.20	1074.00	394.30	2083.00	-482.20	551.40	19
20	-649.50	1211.00	630.90	2012.00	-539.90	557.90	20
21	-827.30	773.00	27.44	1172.00	-293.50	320.20	21
22	-663.20	567.80	-19.91	840.20	-224.10	183.40	22
23	-492.20	465.20	-79.06	686.30	-216.60	115.10	23
25	-328.00	424.10	15.59	615.30	-217.60	172.60	25
26	-423.80	2449.00	1731.00	3112.00	-258.80	839.00	26
27	-1067.00	1943.00	2240.00	3242.00	-370.60	727.30	27
28	-861.60	1505.00	997.80	2639.00	-475.90	622.00	28

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135  
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-65.09	182.20	11.27	42.89	-124.90	169.50	2
3	-93.53	210.60	20.80	42.89	-148.30	192.90	3
4	-144.80	296.00	20.80	33.36	-177.50	268.80	4
5	-127.70	392.70	43.04	52.42	-230.20	379.90	5
6	-133.40	455.30	46.22	58.77	-218.40	426.70	6
7	-150.50	495.20	50.98	57.19	-230.10	461.80	7
8	-104.90	506.60	38.28	54.01	-200.90	467.60	8
9	-127.70	483.80	49.39	55.60	-195.10	461.80	9
10	-133.40	421.20	43.04	58.77	-206.80	403.30	10
12	-110.60	295.90	28.74	41.30	-189.30	292.30	12
13	-110.60	239.10	17.63	33.36	-160.00	216.30	13
14	-65.09	182.20	1.74	36.53	-124.90	169.50	14
15	-93.56	165.10	17.63	39.71	-142.50	152.00	15
16	-127.70	222.00	16.04	41.30	-177.50	198.70	16
17	-127.70	278.90	17.63	30.18	-177.50	233.80	17
18	-144.80	398.40	58.92	68.30	-271.10	397.40	18
19	-139.10	449.60	54.16	69.89	-317.80	479.30	19
20	-110.60	466.70	44.63	63.54	-212.60	479.30	20
21	-127.70	426.90	52.57	55.60	-206.80	391.60	21
22	-122.00	307.30	22.39	28.59	-206.80	274.70	22
23	-116.30	244.80	9.68	28.59	-177.50	210.40	23
25	65.81	324.40	8.09	36.54	-25.56	280.60	25
26	-315.50	1127.00	52.57	252.60	-276.90	742.30	26
27	-275.70	1098.00	125.60	189.00	-452.30	754.00	27
28	-224.50	591.90	90.69	144.50	-364.60	572.80	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135

TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-145.60	183.40	23.38	45.56	2
3	-169.20	230.80	14.62	41.47	3
4	-204.70	313.70	13.46	40.31	4
5	-187.00	402.40	28.64	55.49	5
6	-157.40	443.80	43.25	66.59	6
7	-127.80	497.10	54.34	80.03	7
8	-110.10	503.00	64.28	89.96	8
9	-98.19	467.50	63.11	85.29	9
10	-151.50	402.40	45.00	68.35	10
12	-169.20	278.10	24.55	38.55	12
13	-151.50	213.00	8.78	29.79	13
14	-157.40	183.40	14.62	39.14	14
15	-127.80	177.50	9.95	39.14	15
16	-145.50	230.80	4.69	38.55	16
17	-187.00	272.20	.02	38.55	17
18	-210.60	390.60	15.21	65.42	18
19	-210.70	473.40	37.99	88.21	19
20	-198.80	508.90	49.67	101.10	20
21	-110.00	384.70	36.24	75.94	21
22	-145.60	278.10	4.69	44.39	22
23	-133.70	219.00	-6.99	29.21	23
25	37.91	331.40	-6.41	37.97	25
26	-121.90	881.80	19.30	145.50	26
27	-334.90	858.10	22.80	139.60	27
28	-269.80	591.80	63.11	119.20	28



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
1	-209.30	198.70	-127.40	177.10	-105.40	180.60	1
2	-238.50	251.20	-156.90	206.60	-134.50	209.80	2
3	-244.30	292.10	-174.70	236.10	-128.70	238.90	3
4	-279.40	373.90	-192.40	289.20	-163.60	297.10	4
5	-273.50	414.80	-210.10	330.50	-157.80	337.90	5
6	-320.30	414.80	-263.20	360.00	-169.50	349.60	6
7	-285.20	449.90	-216.00	371.80	-169.40	372.90	7
8	-296.90	461.60	-263.20	395.40	-233.60	390.40	8
9	-279.40	409.00	-210.10	330.50	-163.60	332.10	9
10	-279.40	420.70	-216.00	336.40	-175.30	343.80	10
11	-191.80	192.80	-103.90	165.30	-93.72	145.70	11
12	-203.40	181.10	-103.90	165.30	-93.72	145.70	12
13	-191.80	169.40	-97.97	159.30	-76.22	139.80	13
14	-185.90	163.60	-97.97	159.30	-87.88	139.80	14
15	-232.70	245.40	-139.30	188.90	-111.20	198.10	15
16	-250.20	251.20	-156.90	206.60	-122.80	209.80	16
17	-232.70	245.40	-145.20	206.60	-122.80	209.80	17
18	-238.50	239.60	-156.90	206.60	-117.00	203.90	18
19	-285.20	379.80	-204.20	301.00	-157.80	303.00	19
20	-285.20	368.10	-186.50	295.10	-140.30	297.10	20
21	-285.20	414.80	-210.10	330.50	-169.50	326.30	21
22	-267.70	373.90	-186.50	306.90	-157.80	303.00	22
23	-291.10	397.30	-227.80	324.60	-204.40	326.30	23
24	-302.80	455.80	-227.80	371.80	-169.40	361.30	24
25	-308.60	449.90	-251.40	371.80	-192.80	361.30	25
26	-273.50	414.80	-204.20	348.20	-169.40	337.90	26
27	-308.60	485.00	-221.90	401.30	-186.90	390.40	27
28	-267.70	444.10	-210.10	365.90	-175.30	367.10	28
29	-279.40	350.60	-192.40	277.40	-152.00	285.50	29

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AIRCRAFT SLP1 FLIGHT 136  
TGGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	20.00	20.00	-58.84	175.80	43.78	209.80	1
2	40.00	40.00	-68.59	195.30	43.81	239.10	2
3	40.00	20.00	-49.06	244.10	24.28	278.10	3
4	50.00	20.00	-44.19	336.90	19.41	370.80	4
5	40.00	40.00	-19.75	410.10	14.53	434.20	5
6	40.00	40.00	-.22	439.40	29.16	448.80	6
7	40.00	40.00	-24.66	473.60	4.78	483.00	7
8	40.00	40.00	9.53	488.20	14.56	492.80	8
9	50.00	20.00	-19.75	419.90	24.28	444.00	9
10	-343.40	446.30	-14.88	424.80	29.19	429.30	10
11	49.12	44.56	-122.30	190.40	112.10	209.80	11
12	47.58	39.95	-93.00	170.90	112.10	200.00	12
13	44.51	39.95	-112.50	170.90	146.30	195.20	13
14	46.04	35.34	-112.50	170.90	117.00	195.20	14
15	44.51	27.65	-58.81	195.30	58.44	224.40	15
16	38.34	30.73	-53.94	200.20	43.81	229.30	16
17	49.12	29.19	-58.81	195.30	43.81	229.30	17
18	41.43	27.66	-68.59	185.50	53.56	219.60	18
19	-258.20	342.60	-39.28	351.50	38.94	380.60	19
20	1.49	82.96	-34.41	346.70	34.06	385.40	20
21	-5.44	784.30	9.53	390.60	24.31	414.70	21
22	-9.27	93.72	-19.78	351.50	29.19	390.30	22
23	-335.70	454.00	-9.97	390.60	29.19	400.10	23
24	-338.80	450.90	-10.00	458.90	14.53	483.00	24
25	-332.70	457.10	-24.66	463.80	34.06	473.30	25
26	-346.50	443.20	-24.66	424.80	9.66	448.80	26
27	-331.10	458.60	-.22	517.50	4.78	512.30	27
28	60.00	40.00	-10.00	478.50	9.66	487.80	28
29	-349.60	440.20	-29.53	312.50	14.53	356.20	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136  
TOW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	-287.50	354.80	-354.70	425.00	-308.00	93.64	1
2	-369.30	395.70	-372.40	566.60	-341.50	117.80	2
3	-410.30	436.60	-441.00	690.50	-365.00	128.80	3
4	-478.50	545.70	-514.10	956.20	-372.00	168.60	4
5	-539.90	661.70	-487.50	1054.00	-438.30	224.00	5
6	-505.80	668.50	-558.30	1107.00	-416.50	256.70	6
7	-546.70	723.10	-593.80	1089.00	-431.30	273.10	7
8	-655.90	764.00	-593.80	1124.00	-421.90	287.20	8
9	-526.30	634.40	-558.30	1036.00	-435.20	220.80	9
10	-580.80	634.40	-496.40	1080.00	-446.90	229.40	10
11	-212.40	375.20	-337.00	548.90	-293.90	170.10	11
12	-178.30	354.70	-345.80	522.30	-301.80	137.40	12
13	-157.90	347.90	-301.60	548.90	-308.00	138.90	13
14	-151.10	327.40	-328.20	504.70	-284.60	128.00	14
15	-342.10	368.40	-425.60	531.20	-334.50	115.50	15
16	-369.40	368.40	-443.30	531.20	-345.40	120.20	16
17	-355.70	354.70	-416.70	522.30	-343.10	128.80	17
18	-369.40	368.40	-399.00	522.30	-333.00	132.70	18
19	-505.80	573.00	-522.90	982.70	-433.60	186.50	19
20	-492.20	573.00	-514.10	991.60	-416.50	194.30	20
21	-580.80	607.10	-602.60	1045.00	-371.20	245.80	21
22	-499.00	566.20	-522.90	1000.00	-409.50	187.30	22
23	-444.40	579.80	-531.80	1062.00	-402.40	211.50	23
24	-580.80	689.00	-602.60	1151.00	-474.20	239.60	24
25	-533.10	695.80	-602.60	1116.00	-429.00	273.90	25
26	-478.50	641.30	-558.30	1071.00	-439.10	243.50	26
27	-574.00	736.80	-664.60	1231.00	-456.30	298.10	27
28	-533.10	709.40	-558.30	1089.00	-438.30	280.10	28
29	-451.20	518.50	-505.30	911.90	-379.00	177.10	29

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136  
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EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	23.54	21.11	-283.70	241.90	-241.50	225.80	1
2	34.10	35.19	-380.50	261.20	-320.00	235.70	2
3	39.97	44.57	-428.80	290.30	-344.60	220.90	3
4	47.00	60.99	-540.10	362.80	-378.90	206.20	4
5	55.21	72.72	-612.60	377.30	-452.60	220.90	5
6	63.42	85.62	-917.40	711.10	-658.80	613.70	6
7	63.42	83.27	-767.40	512.80	-486.90	324.00	7
8	65.77	89.14	-975.40	749.80	-663.70	599.00	8
9	59.90	73.89	-607.80	362.80	-452.60	230.80	9
10	56.39	85.62	-723.90	469.20	-472.20	270.00	10
11	17.68	24.63	-235.30	232.20	-187.40	211.10	11
12	15.92	25.22	-206.30	261.20	-123.60	216.00	12
13	15.34	23.46	-230.50	266.10	-128.50	201.30	13
14	14.75	21.70	-211.20	237.00	-128.50	191.50	14
15	34.69	31.08	-356.30	266.10	-256.20	230.80	15
16	37.04	32.25	-399.80	270.90	-275.80	201.30	16
17	34.69	33.43	-385.30	275.70	-270.90	196.40	17
18	34.69	33.43	-375.60	266.10	-251.30	176.80	18
19	56.97	66.27	-525.60	358.00	-374.00	211.10	19
20	47.59	65.09	-496.50	348.30	-344.50	201.30	20
21	58.73	76.24	-612.70	416.00	-482.00	240.60	21
22	54.04	69.20	-515.90	367.70	-359.30	206.20	22
23	52.87	77.41	-690.00	445.00	-486.90	294.60	23
24	64.60	80.93	-632.00	358.00	-482.00	230.80	24
25	64.60	86.79	-878.70	662.70	-688.20	584.20	25
26	58.14	74.48	-554.60	348.30	-437.80	225.80	26
27	71.63	96.17	-912.60	706.30	-717.70	574.40	27
28	61.66	78.00	-656.20	420.90	-486.90	274.90	28
29	51.69	62.16	-525.60	367.60	-369.10	196.40	29



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-411.10	478.90	-123.90	662.00	-237.20	114.00	1
2	-602.60	506.30	-265.80	733.00	-234.00	143.20	2
3	-698.40	561.00	-206.70	839.40	-251.30	167.10	3
4	-835.20	793.60	-194.90	1159.00	-285.00	268.00	4
5	-903.70	889.30	-171.20	1253.00	-318.60	314.70	5
6	-917.30	1573.00	1153.00	2814.00	-406.50	702.10	6
7	-896.80	1142.00	585.40	2128.00	-591.00	517.60	7
8	-869.40	1676.00	1295.00	2743.00	-405.40	703.10	8
9	-951.50	923.60	-159.40	1289.00	-314.30	345.10	9
10	-1040.00	971.40	419.90	1821.00	-525.90	380.90	10
11	-520.50	355.70	6.13	555.60	-159.10	105.30	11
12	-465.80	424.20	29.75	626.60	-189.50	109.60	12
13	-459.00	458.30	53.38	626.60	-200.30	87.91	13
14	-445.30	431.00	17.94	614.80	-190.60	86.82	14
15	-677.90	472.10	-218.50	685.70	-198.10	116.10	15
16	-773.70	513.10	-194.90	709.30	-219.90	127.00	16
17	-773.70	499.40	-112.10	697.50	-213.40	98.77	17
18	-760.00	499.40	6.13	721.10	-199.30	112.90	18
19	-978.90	841.40	-206.70	1241.00	-303.40	308.20	19
20	-951.50	827.80	-88.47	1218.00	-326.20	302.70	20
21	-1061.00	855.20	349.00	1442.00	-426.00	413.40	21
22	-972.10	820.90	17.94	1206.00	-298.00	304.90	22
23	-1129.00	950.90	904.60	1951.00	-601.80	502.40	23
24	-1109.00	998.80	-17.53	1383.00	-343.60	411.30	24
25	-1061.00	1580.00	798.20	2459.00	-464.00	644.60	25
26	-1027.00	944.10	-64.81	1312.00	-346.80	388.50	26
27	-1095.00	1628.00	1058.00	2743.00	-447.70	660.80	27
28	-924.20	1129.00	348.90	1797.00	-567.10	515.40	28
29	-903.70	752.50	-147.60	1135.00	-245.90	261.50	29

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	-97.88	211.10	25.10	50.98	-148.20	205.30	1
2	-143.50	268.20	26.70	33.46	-183.40	263.90	2
3	-149.30	308.10	34.66	35.05	-212.70	293.20	3
4	-166.40	393.70	53.78	50.98	-242.00	392.90	4
5	-194.90	467.90	63.34	54.17	-259.60	457.40	5
6	-468.80	981.40	112.70	141.80	-464.80	791.70	6
7	-183.50	513.50	61.74	62.13	-341.70	551.20	7
8	-223.40	884.40	103.20	119.50	-330.00	645.00	8
9	-177.80	450.80	53.78	57.35	-242.00	463.30	9
10	-166.40	485.00	71.30	68.50	-312.40	521.90	10
11	-57.97	148.30	13.95	30.27	-171.70	158.30	11
12	-69.34	171.20	12.36	28.68	-142.30	164.20	12
13	-75.06	165.40	15.54	31.86	-130.60	164.20	13
14	-63.66	154.00	20.32	36.64	-136.50	146.60	14
15	-120.70	245.30	17.14	27.08	-171.70	228.70	15
16	-137.80	262.50	20.33	23.90	-201.00	246.30	16
17	-115.00	262.50	26.70	27.08	-206.80	240.40	17
18	-103.60	262.50	26.70	33.46	-195.10	252.20	18
19	-.91	536.30	53.78	54.17	-224.40	422.20	19
20	-155.00	416.50	34.66	54.17	-230.30	416.30	20
21	-166.40	450.80	56.96	57.35	-277.20	463.30	21
22	-120.70	405.10	53.78	47.79	-206.80	416.30	22
23	-183.50	456.50	56.97	60.54	-306.50	539.50	23
24	-137.80	502.10	56.97	54.17	-189.30	492.60	24
25	-286.20	798.80	109.50	119.50	-259.60	598.10	25
26	-137.80	456.50	53.78	50.98	-212.70	469.10	26
27	-177.80	850.20	117.50	146.60	-376.90	656.80	27
28	-183.50	490.70	58.56	58.95	-195.10	486.70	28
29	-155.00	382.30	44.22	44.61	-224.40	375.30	29

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP: FLIGHT 136  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
1	-172.10	213.20	8.16	39.77	1
2	-189.80	290.20	12.84	35.09	2
3	-189.80	313.90	14.01	36.26	3
4	-178.00	420.50	24.54	54.97	4
5	-178.00	467.90	39.74	70.17	5
6	-361.60	817.30	19.86	122.80	6
7	-148.40	521.20	39.15	75.44	7
8	-468.20	817.30	35.64	118.70	8
9	-136.50	473.80	35.64	68.42	9
10	-255.00	485.60	53.19	80.11	10
11	-172.10	154.00	18.69	19.88	11
12	-166.20	159.90	26.87	29.24	12
13	-160.30	165.80	36.23	36.26	13
14	-166.20	159.90	38.57	38.60	14
15	-195.80	248.80	19.27	33.33	15
16	-189.80	254.70	21.03	33.92	16
17	-183.90	260.60	26.87	28.07	17
18	-178.00	254.70	31.55	31.58	18
19	-142.50	420.50	40.91	63.15	19
20	-154.30	420.50	49.10	65.49	20
21	-243.10	461.90	53.77	78.36	21
22	-148.40	426.40	56.11	70.17	22
23	-249.10	503.40	53.19	82.45	23
24	-136.50	521.20	69.56	88.30	24
25	-272.80	621.80	61.96	128.70	25
26	-124.70	485.60	57.87	77.78	26
27	-367.50	787.60	43.25	118.10	27
28	-154.30	515.30	43.83	78.95	28
29	-183.90	402.70	27.46	54.38	29

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CH-44 FGB STRESS SURVEY

AIRCRAFT SL:1 FLIGHT 137  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-139.20	175.30	-109.80	182.90	-35.44	157.30	2
3	-185.90	163.60	-74.34	159.30	-58.75	134.00	3
4	-197.60	187.00	-92.06	177.10	-58.72	169.00	4
5	-238.50	274.60	-127.50	224.30	-111.20	233.10	5
6	-256.00	303.80	-162.90	247.90	-128.70	262.20	6
7	-238.50	298.00	-139.30	259.70	-134.50	256.40	7
8	-261.80	344.70	-162.90	306.90	-140.30	285.50	8
9	-244.30	338.90	-162.90	306.90	-146.10	291.30	9
10	-256.00	373.90	-168.80	324.60	-146.10	314.60	10
11	-250.20	379.80	-162.90	330.50	-152.00	320.50	11
12	-226.80	262.90	-121.60	230.20	-111.20	221.40	12
13	-244.30	292.10	-139.30	247.90	-128.70	250.50	13
14	-261.80	356.40	-157.00	312.80	-140.30	285.50	14
15	-250.20	356.40	-162.90	306.90	-146.20	303.00	15
16	-256.00	385.60	-157.00	336.40	-146.20	326.30	16
17	-197.60	187.00	-92.06	177.10	-70.38	157.30	17
18	-191.80	181.10	-68.44	165.30	-64.56	151.50	18
19	-168.40	157.80	-68.44	129.80	-58.75	122.40	19
20	-150.80	163.60	-68.44	153.40	-52.94	128.20	20
21	-209.30	233.70	-127.50	212.50	-99.50	209.80	21
22	-209.30	245.40	-103.80	224.30	-99.50	209.80	22
23	-215.10	262.90	-97.94	218.40	-99.53	221.40	23
24	-215.10	227.90	-80.25	188.90	-70.38	180.60	24
25	-203.40	192.80	-80.25	177.10	-82.03	169.00	25



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLIP FLIGHT 137  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	21.46	53.77	-200.40	258.80	258.50	336.70	2
3	47.58	36.87	-112.50	170.90	136.50	204.90	3
4	33.75	26.12	-63.72	180.70	87.72	204.90	4
5	33.75	29.19	-39.31	244.10	38.94	263.40	5
6	35.29	39.95	-29.53	273.40	14.53	307.30	6
7	36.82	41.48	-34.41	297.80	29.19	331.80	7
8	41.43	49.16	-10.00	351.60	-0.09	380.50	8
9	58.33	41.48	-14.88	366.20	9.66	390.30	9
10	49.12	47.63	-10.00	400.40	-4.97	424.50	10
11	47.58	64.53	-0.25	419.90	-9.84	439.10	11
12	53.72	30.73	-39.28	234.30	4.78	278.10	12
13	52.19	32.26	-29.53	273.40	4.78	317.10	13
14	50.65	39.95	-19.75	371.10	9.66	400.00	14
15	30.68	50.70	-24.66	385.70	4.78	404.90	15
16	53.72	49.17	4.63	415.00	-14.72	434.20	16
17	39.90	29.19	-29.53	175.80	34.03	200.00	17
18	18.39	41.48	-58.84	146.50	43.81	170.80	18
19	35.29	36.87	-136.90	175.80	117.00	175.60	19
20	23.00	64.53	-176.00	234.40	170.70	229.30	20
21	29.14	30.73	-49.06	205.10	24.28	209.80	21
22	42.97	29.19	-34.41	229.50	34.06	229.30	22
23	-13.88	76.82	-39.28	234.30	4.75	248.80	23
24	-13.88	67.60	-34.41	190.40	19.41	214.70	24
25	38.36	33.80	-24.66	170.90	29.16	195.20	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137  
TOW 20800 TOW 9.7 AFT FLIGHT DATE 08/29/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-123.80	382.00	194.20	761.40	-263.50	270.80	2
3	-151.10	327.40	-266.20	495.80	-267.40	134.20	3
4	-253.40	320.60	-301.60	425.00	-283.00	101.50	4
5	-348.90	402.50	-416.70	593.20	-330.60	131.90	5
6	-403.50	457.00	-399.00	734.80	-363.40	145.90	6
7	-430.80	470.70	-310.50	805.70	-355.60	152.20	7
8	-471.70	538.90	-381.30	911.90	-393.80	196.70	8
9	-478.50	559.40	-328.20	929.60	-396.90	207.60	9
10	-485.30	593.50	-345.90	965.00	-385.20	233.30	10
11	-519.40	600.30	-363.60	1054.00	-411.00	243.50	11
12	-369.30	395.70	-248.50	637.40	-330.60	133.40	12
13	-410.30	450.20	-283.90	779.10	-352.50	147.50	13
14	-464.90	559.40	-372.40	938.40	-372.80	206.80	14
15	-471.70	566.20	-399.00	929.60	-382.10	216.20	15
16	-485.30	607.10	-452.10	982.70	-415.70	254.40	16
17	-246.60	327.40	-275.10	433.80	-275.20	104.60	17
18	-239.80	279.70	-283.90	425.00	-305.70	108.50	18
19	-103.30	334.30	-186.50	451.50	-306.40	148.30	19
20	5.84	388.80	114.50	681.70	-254.20	208.30	20
21	-342.10	395.70	-337.00	531.20	-369.60	139.70	21
22	-321.60	388.80	-337.00	584.30	-346.20	152.20	22
23	-314.80	409.30	-372.40	584.30	-318.90	124.90	23
24	-287.50	354.80	-354.70	478.10	-301.00	110.00	24
25	-239.80	334.30	-283.90	442.70	-285.40	103.80	25

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137  
TOW 20800 TOCR 9.7 AFT FLIGHT DATE 08/29/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	.09	34.01	-196.60	193.50	-167.80	201.30	2
3	15.34	22.29	-196.70	212.80	-197.30	201.30	3
4	21.79	20.53	-283.70	232.20	-246.30	211.10	4
5	32.34	36.95	-414.30	256.40	-344.50	181.70	5
6	41.72	49.85	-559.40	430.50	-486.90	432.10	6
7	42.90	54.54	-535.20	338.60	-388.70	245.50	7
8	44.07	61.57	-598.10	498.30	-555.70	500.80	8
9	48.76	68.61	-593.30	483.80	-614.60	559.70	9
10	53.46	72.13	-617.50	449.90	-604.80	491.00	10
11	64.01	85.03	-583.60	493.40	-590.00	486.00	11
12	39.38	51.02	-380.40	290.30	-305.30	220.90	12
13	40.55	56.88	-457.80	319.30	-359.30	176.70	13
14	45.83	63.33	-569.10	440.20	-398.60	304.40	14
15	47.00	65.68	-603.00	503.10	-506.60	392.80	15
16	51.70	70.37	-651.30	648.20	-624.40	579.30	16
17	20.61	21.70	-216.00	232.20	-216.90	211.10	17
18	17.09	18.18	-249.80	198.30	-236.50	162.00	18
19	14.75	18.18	-177.30	222.50	-172.70	216.00	19
20	3.61	24.63	-187.00	261.20	-177.60	250.40	20
21	32.34	27.56	-472.40	314.40	-408.40	265.10	21
22	31.76	30.49	-443.30	285.40	-364.20	230.80	22
23	25.89	30.49	-380.40	232.20	-334.70	191.50	23
24	23.55	23.46	-288.50	237.00	-261.10	216.00	24
25	20.62	25.22	-216.00	241.90	-212.00	216.00	25

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AIRCRAFT SLP1 FLIGHT 137  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-383.70	424.20	349.00	520.20	-278.50	276.70	2
3	-547.90	396.80	29.75	602.90	-199.30	91.18	3
4	-630.00	465.20	-17.53	650.20	-238.30	112.90	4
5	-835.30	492.60	-135.80	673.90	-285.00	135.70	5
6	-958.40	957.70	892.80	1939.00	-468.40	564.30	6
7	-965.20	663.60	561.80	1490.00	-404.30	320.10	7
8	-1102.00	1019.00	857.30	2234.00	-466.20	642.40	8
9	-972.00	1067.00	1188.00	2471.00	-455.30	653.20	9
10	-1040.00	998.80	833.70	2353.00	-531.30	577.30	10
11	-917.30	1067.00	750.90	2412.00	-475.90	632.60	11
12	-869.40	554.10	-64.81	721.10	-228.60	155.20	12
13	-944.70	629.40	29.78	910.30	-273.00	191.00	13
14	-869.40	923.60	573.60	1927.00	-559.50	457.90	14
15	-978.90	923.60	549.90	2022.00	-488.90	341.80	15
16	-855.80	1498.00	1236.00	2613.00	-364.20	744.40	16
17	-554.70	458.30	-53.00	685.70	-237.20	124.80	17
18	-616.30	396.80	-53.00	614.80	-288.20	147.60	18
19	-493.20	465.20	65.22	520.20	-247.00	149.80	19
20	-506.80	492.50	77.06	626.60	-214.40	266.90	20
21	-978.90	649.90	928.20	1667.00	-329.50	488.30	21
22	-862.60	533.60	656.30	1348.00	-330.60	326.60	22
23	-855.80	513.10	-242.20	685.70	-250.20	161.70	23
24	-684.70	478.90	-230.30	697.50	-193.80	137.80	24
25	-582.10	485.70	-112.10	697.50	-232.90	135.70	25



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-80.75	159.80	31.48	50.98	-148.20	134.90	2
3	-103.60	148.30	21.92	41.42	-136.50	158.30	3
4	-115.00	216.80	25.10	54.17	-154.10	199.40	4
5	-154.90	291.00	28.29	35.05	-189.20	246.30	5
6	-132.10	519.30	60.15	89.21	-277.20	357.70	6
7	-160.70	376.60	61.75	68.50	-224.40	363.60	7
8	-177.80	610.50	87.23	106.70	-306.50	445.70	8
9	-223.40	667.60	85.64	111.50	-300.70	463.30	9
10	-217.70	582.00	87.24	81.25	-294.80	492.60	10
11	-217.70	582.00	92.01	117.90	-236.20	492.60	11
12	-160.70	319.50	28.29	41.42	-189.20	281.50	12
13	-166.30	359.50	44.22	57.35	-195.10	334.30	13
14	-177.80	427.90	69.71	73.28	-265.50	451.50	14
15	-212.00	416.50	60.15	79.66	-318.30	480.80	15
16	-172.10	627.60	112.70	132.20	-330.00	598.10	16
17	-109.30	211.10	10.77	39.83	-113.00	181.80	17
18	-132.10	211.10	17.14	33.46	-107.20	211.10	18
19	-126.40	171.20	13.95	27.08	-118.90	175.90	19
20	-103.60	125.50	10.77	39.83	-159.90	181.80	20
21	-126.40	319.50	33.07	52.57	-189.30	328.40	21
22	-172.10	285.30	42.63	36.64	-212.70	293.20	22
23	-160.70	296.70	21.92	35.05	-159.90	252.20	23
24	-137.80	239.70	21.92	28.68	-136.50	228.70	24
25	-126.40	216.80	9.17	41.42	-83.69	222.80	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137  
TCGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-142.50	183.60	43.25	35.09	2
3	-154.30	159.90	36.81	35.67	3
4	-160.20	213.20	26.87	38.60	4
5	-183.90	284.30	23.95	36.84	5
6	-207.60	485.60	2.90	56.72	6
7	-207.60	355.30	22.20	49.12	7
8	-272.80	444.20	4.65	60.82	8
9	-219.50	450.10	15.76	70.76	9
10	-231.30	461.90	26.29	66.08	10
11	-231.30	509.30	48.51	80.12	11
12	-178.00	278.30	8.16	37.43	12
13	-178.00	325.70	14.59	49.71	13
14	-260.90	432.30	23.95	64.91	14
15	-314.20	450.10	23.36	64.32	15
16	-243.10	722.50	30.97	104.70	16
17	-148.40	201.40	6.99	38.60	17
18	-130.60	219.10	6.41	34.50	18
19	-160.20	177.70	12.25	43.86	19
20	-166.20	183.60	19.86	42.10	20
21	-154.30	562.60	5.24	59.06	21
22	-166.10	384.90	5.24	48.54	22
23	-172.10	272.40	-2.37	54.97	23
24	-142.40	242.80	2.31	47.95	24
25	-148.40	201.40	4.07	41.52	25

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TQGW 20800 TQCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
1	-193.90	163.60	-100.30	141.70	-93.47	134.00	1
2	-170.60	151.90	-112.10	153.50	-87.63	128.20	2
3	-176.40	122.70	-70.72	88.53	-52.69	69.94	3
4	-153.10	204.40	-88.44	141.70	-99.28	186.50	4
5	-141.30	146.00	-53.00	106.30	-116.80	99.06	5
6	-176.40	134.30	-112.10	141.70	-93.47	157.30	6
7	-135.50	140.20	-106.20	124.00	-76.00	128.20	7
8	-229.00	222.00	-141.60	194.80	-128.40	192.30	8
9	-281.60	356.30	-206.50	283.40	-175.00	285.50	9
10	-269.90	391.40	-194.70	330.60	-186.70	320.50	10
11	-304.90	484.80	-224.30	4000.00	-210.00	390.40	11
12	-334.10	549.10	-300.00	400.00	-180.90	431.20	12
13	-264.00	420.60	-194.70	342.40	-169.20	338.00	13
14	-299.10	443.90	-224.20	360.20	-210.00	378.80	14
15	-281.50	414.70	-236.00	336.50	-221.70	343.80	15
16	-264.00	408.90	-253.80	354.30	-175.00	343.80	16
17	-316.60	461.50	-236.00	372.00	-204.20	372.90	17
18	-258.20	414.70	-206.50	366.00	-186.70	355.40	18
19	-275.70	420.60	-218.30	354.30	-186.70	355.40	19
20	-351.60	379.70	-277.40	330.60	-256.60	320.50	20
21	-334.10	432.30	-301.00	413.30	-309.10	349.60	21
22	-404.20	455.60	-194.70	401.50	-192.50	384.60	22
23	-229.00	432.30	-212.40	371.90	-221.70	378.80	23
24	-223.20	554.90	-212.40	454.60	-93.47	448.70	24
25	-188.10	438.10	-200.60	383.80	-134.30	326.30	25
26	-281.50	414.70	-153.40	348.30	-210.00	343.80	26
27	-199.80	484.80	-194.70	413.30	-186.70	472.00	27
28	-258.20	274.50	-194.70	248.00	-198.30	250.50	28
29	-316.60	309.60	-177.00	324.70	-140.10	250.60	29
30	-269.80	262.80	-177.00	230.30	-175.10	227.30	30
31	-217.30	245.30	-147.50	236.20	-140.10	227.30	31
32	-234.80	274.60	-177.00	289.30	-151.70	262.20	32
33	-170.60	280.40	-129.80	289.30	-99.28	268.00	33
34	-275.70	408.90	-230.10	354.30	-192.50	338.00	34
35	-269.80	449.80	-224.30	383.80	-198.40	378.80	35
36	-234.80	309.60	-123.80	224.30	-151.70	238.90	36

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## CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	28.72	33.80	-111.00	149.30	126.10	214.70	1
2	36.40	44.55	-216.90	216.70	233.50	283.00	2
3	30.26	47.62	-221.80	173.40	223.70	165.90	3
4	47.15	73.74	-221.70	240.80	238.30	229.30	4
5	36.40	56.84	-294.00	216.70	292.00	205.00	5
6	44.08	55.30	-241.00	202.30	238.30	200.10	6
7	37.94	55.30	-178.40	197.50	204.20	195.20	7
8	34.87	24.58	-67.63	183.00	62.66	219.60	8
9	53.30	27.65	-48.38	288.90	43.13	346.50	9
10	54.84	38.41	-38.75	394.90	33.38	424.60	10
11	57.91	44.55	-24.31	515.30	18.75	536.80	11
12	73.27	59.91	-5.06	582.70	8.97	585.60	12
13	50.23	55.30	-53.22	428.60	52.91	444.10	13
14	82.49	41.48	-9.84	433.40	8.97	458.70	14
15	53.30	39.94	-48.41	423.80	43.16	453.80	15
16	39.47	41.48	-58.03	423.80	38.25	448.90	16
17	54.84	47.63	-43.56	457.50	28.47	458.70	17
18	42.54	41.48	-33.94	428.60	18.72	449.00	18
19	54.84	41.48	-19.50	404.50	8.97	419.70	19
20	77.88	49.16	-82.09	341.90	52.88	366.00	20
21	53.30	43.01	-14.69	409.30	-10.56	439.20	21
22	50.23	52.23	-38.75	491.20	23.59	512.40	22
23	44.08	43.02	-9.88	500.80	8.97	517.30	23
24	74.81	98.32	-72.47	524.90	-10.53	566.10	24
25	71.74	52.23	-101.40	399.70	8.97	439.20	25
26	59.44	46.09	-22	452.70	4.09	473.30	26
27	71.73	98.32	-13.50	558.60	28.50	595.40	27
28	47.15	43.01	-111.00	236.00	101.70	248.90	28
29	54.84	50.70	-101.40	293.80	82.19	307.40	29
30	42.54	35.33	-86.91	202.30	43.13	229.40	30
31	45.62	35.33	-101.40	207.10	101.70	229.40	31
32	53.30	52.23	-101.30	236.00	170.00	258.60	32
33	60.98	50.70	-43.56	255.30	43.13	258.60	33
34	31.79	55.30	-38.78	433.40	33.38	463.60	34
35	60.98	47.63	-29.13	500.80	28.47	517.30	35
36	25.65	116.80	-231.40	308.20	292.00	361.10	36



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TORGW 20800 TORG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	-187.10	354.90	-248.30	504.10	-296.00	105.30	1
2	-57.38	402.70	87.84	734.10	-283.60	216.00	2
3	45.00	354.90	87.81	327.30	-263.30	102.20	3
4	4.03	505.00	238.20	601.40	-295.30	171.60	4
5	99.59	423.20	78.97	406.80	-395.80	236.30	5
6	79.09	430.00	-71.38	486.40	-314.00	166.90	6
7	45.00	450.40	96.66	424.50	-275.00	162.20	7
8	-364.50	368.60	-425.20	468.80	-358.40	108.40	8
9	-473.70	518.70	-549.00	857.90	-415.30	149.70	9
10	-521.50	621.10	-540.10	955.20	-443.40	221.50	10
11	-555.60	764.40	-761.30	1159.00	-483.20	320.50	11
12	-664.80	832.60	-823.20	1256.00	-438.70	368.00	12
13	-542.00	764.40	-487.10	1026.00	-457.40	241.70	13
14	-582.30	627.90	-637.40	1035.00	-451.20	235.50	14
15	-548.80	675.70	-540.10	1097.00	-473.80	214.40	15
16	-542.00	641.50	-549.00	1035.00	-462.90	248.70	16
17	-514.70	709.80	-699.30	1150.00	-477.70	277.60	17
18	-494.20	621.10	-434.00	1044.00	-461.40	273.70	18
19	-453.20	607.40	-575.50	1008.00	-418.50	257.30	19
20	-548.80	580.10	-478.20	981.70	-589.30	212.90	20
21	-603.40	648.40	-619.70	1017.00	-503.40	303.30	21
22	-562.40	866.80	-823.20	1539.00	-472.30	322.00	22
23	-521.50	730.30	-584.30	1035.00	-365.40	397.70	23
24	-405.40	955.50	-584.40	1336.00	-416.90	389.90	24
25	-507.80	730.30	-257.10	1079.00	-434.10	271.40	25
26	-596.60	641.60	-549.00	1088.00	-399.00	351.70	26
27	-528.30	928.20	-372.10	1477.00	-420.00	374.30	27
28	-296.30	450.40	-495.90	574.30	-375.60	159.90	28
29	-337.20	409.50	-495.90	592.60	-523.70	280.00	29
30	-391.80	395.80	-177.50	557.20	-434.80	128.70	30
31	-350.80	423.20	-177.50	557.20	-353.70	116.20	31
32	-228.00	464.10	34.78	822.50	-371.70	159.10	32
33	-350.80	464.10	-416.30	707.60	-454.30	173.10	33
34	-535.10	648.40	-531.30	1035.00	-447.30	228.50	34
35	-562.40	743.90	-566.70	1176.00	-454.30	282.30	35
36	-112.00	662.00	194.00	1035.00	-366.20	357.90	36

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## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TGGW 20800 TCGG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	12.74	22.86	-231.10	252.10	-132.60	211.00	1
2	1.04	28.72	-236.00	286.10	-117.90	235.50	2
3	6.90	11.14	-143.90	126.10	-93.38	122.70	3
4	19.21	18.76	-202.00	232.70	-152.30	230.60	4
5	5.14	16.41	-158.40	140.60	-171.90	142.30	5
6	6.31	25.79	-139.00	169.70	-78.66	166.80	6
7	2.80	17.59	-56.56	145.40	9.66	147.20	7
8	26.24	24.62	-352.30	247.30	-279.90	230.60	8
9	46.18	56.27	-556.00	354.00	-412.30	235.50	9
10	46.74	66.24	-619.00	387.90	-451.60	255.20	10
11	64.93	85.58	-745.10	737.00	-633.20	554.50	11
12	81.35	103.20	-1201.00	950.30	-746.00	569.20	12
13	53.79	63.89	-895.40	480.00	-652.80	309.20	13
14	67.86	86.17	-638.40	436.40	-446.70	289.50	14
15	55.55	79.72	-793.50	669.10	-549.70	608.50	15
16	59.07	76.20	-861.40	737.00	-667.50	608.50	16
17	57.31	83.82	-934.20	654.50	-839.30	544.70	17
18	51.45	70.93	-648.10	484.80	-613.50	446.50	18
19	56.14	74.45	-856.60	654.60	-731.30	613.40	19
20	65.52	74.45	-1000.00	750.00	-579.20	598.70	20
21	47.33	69.76	-677.20	649.70	-706.80	579.00	21
22	66.11	84.41	-682.00	460.60	-441.80	363.10	22
23	53.79	72.10	-619.00	417.00	-505.60	279.70	23
24	53.21	94.96	-507.50	547.90	-314.20	382.80	24
25	34.45	69.17	-512.30	397.60	-378.00	250.30	25
26	48.52	77.38	-580.20	436.30	-382.90	265.00	26
27	65.52	109.60	-526.90	557.60	-260.20	377.80	27
28	30.93	37.52	-483.20	349.10	-387.80	348.40	28
29	28.00	29.89	-396.00	290.90	-309.30	250.30	29
30	36.21	33.41	-439.60	334.60	-353.50	304.20	30
31	30.93	30.48	-439.60	324.80	-382.90	294.40	31
32	26.83	34.58	-434.80	368.50	-333.80	333.70	32
33	33.28	38.69	-982.70	761.20	-692.10	603.60	33
34	52.62	73.27	-643.30	383.10	-466.30	230.60	34
35	62.00	86.17	-769.30	528.50	-569.40	343.50	35
36	36.21	56.86	-182.70	417.00	-181.70	407.30	36

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AIRCRAFT SLP1 FLIGHT 138  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-364.60	526.90	114.90	662.80	-213.50	161.50	1
2	-344.10	547.40	150.40	650.90	-171.20	80.19	2
3	-179.80	314.80	-192.80	520.70	-132.20	91.03	3
4	-56.63	437.90	-547.80	615.40	-136.50	125.70	4
5	-179.80	369.50	-62.66	556.20	-236.20	177.70	5
6	-186.70	349.00	-500.50	568.10	-172.30	142.00	6
7	-125.10	328.50	339.70	627.20	-151.70	156.10	7
8	-542.50	458.50	-74.50	639.10	-242.70	112.70	8
9	-857.30	691.20	138.60	1041.00	-299.10	205.90	9
10	-898.30	882.70	67.56	1278.00	-313.10	306.70	10
11	-747.80	1200.00	600.10	2379.00	-498.40	600.40	11
12	-740.30	2368.00	1109.00	3337.00	-351.10	747.70	12
13	-1083.00	1068.00	410.80	2189.00	-611.20	487.70	13
14	-843.60	896.40	363.40	1503.00	-293.60	293.70	14
15	-646.10	1697.00	1902.00	2544.00	-371.70	727.10	15
16	-631.50	1779.00	1760.00	2544.00	-458.40	640.50	16
17	-604.10	1861.00	1203.00	3077.00	-465.90	632.90	17
18	-1022.00	992.20	813.10	1929.00	-508.20	575.40	18
19	-925.70	1690.00	2044.00	2946.00	-429.10	669.70	19
20	-740.30	1738.00	2411.00	2982.00	-365.20	733.60	20
21	-905.20	1423.00	1665.00	2426.00	-452.90	645.90	21
22	-877.80	1259.00	422.60	1823.00	-571.10	527.80	22
23	-809.40	1177.00	197.70	1598.00	-434.50	573.30	23
24	-782.00	1136.00	398.90	1609.00	-282.80	454.10	24
25	-590.40	1026.00	-583.40	1314.00	-233.00	358.70	25
26	-713.60	916.90	150.40	1337.00	-136.50	459.50	26
27	-747.80	1143.00	-133.60	1574.00	-260.00	448.60	27
28	-658.80	615.90	588.30	1089.00	-392.20	422.60	28
29	-515.10	567.90	245.10	745.60	-281.70	281.80	29
30	-521.90	506.40	-74.47	686.40	-290.40	199.40	30
31	-480.90	520.10	114.90	686.40	-295.80	237.30	31
32	-501.40	677.40	493.60	1018.00	-463.80	487.70	32
33	-1131.00	1690.00	1582.00	2532.00	-498.40	600.40	33
34	-918.80	930.70	233.20	1349.00	-232.60	333.80	34
35	-754.60	1245.00	1109.00	2249.00	-557.00	539.70	35
36	-480.90	684.30	-133.70	1030.00	-133.30	254.70	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TOW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	-71.94	206.10	28.54	54.33	-113.00	200.10	1
2	-31.84	143.20	15.76	44.74	-148.30	164.80	2
3	-20.41	97.34	15.76	19.17	-118.90	111.80	3
4	-54.75	166.10	18.96	25.57	-113.00	176.60	4
5	-49.03	126.00	17.36	27.17	-89.47	117.70	5
6	2.53	143.20	6.17	47.94	-83.56	158.90	6
7	-106.30	148.90	20.55	33.56	-118.90	158.90	7
8	-112.00	234.80	20.55	43.14	-154.20	229.60	8
9	-186.40	377.90	52.51	49.54	-224.80	382.60	9
10	-180.70	440.90	63.70	60.72	-271.90	453.30	10
11	-289.50	629.90	84.47	126.20	-436.80	629.80	11
12	-570.10	1197.00	105.20	246.10	-489.70	906.50	12
13	-209.40	572.60	62.10	75.10	-313.20	612.20	13
14	-197.90	435.20	50.92	57.53	-266.00	447.30	14
15	-278.10	1065.00	87.67	155.00	-542.70	724.00	15
16	-249.50	910.50	86.07	150.20	-466.20	753.40	16
17	-364.00	1025.00	68.49	139.00	-448.50	700.40	17
18	-134.90	566.90	54.11	108.70	-277.80	529.80	18
19	-501.40	1071.00	130.80	143.80	-631.00	824.10	19
20	-530.00	1088.00	146.80	153.40	-642.80	930.00	20
21	-238.00	853.20	87.67	132.60	-277.80	541.50	21
22	-192.20	521.10	46.12	75.10	-219.00	541.50	22
23	-89.09	486.70	39.73	59.12	-230.70	553.30	23
24	-163.60	492.40	52.51	113.50	-118.90	535.60	24
25	-129.20	435.20	49.32	55.93	-142.40	417.90	25
26	-203.70	429.50	46.12	55.93	-218.90	459.10	26
27	-197.90	458.10	30.14	126.20	-201.30	523.90	27
28	-71.94	377.90	6.17	105.50	-183.70	376.70	28
29	-197.90	297.80	30.14	55.93	-124.80	259.00	29
30	-146.40	257.70	28.54	67.11	-160.10	294.30	30
31	-112.00	280.60	28.54	60.72	-148.30	294.30	31
32	-31.84	372.20	23.75	103.90	-101.30	364.90	32
33	-175.00	572.60	66.88	191.70	-366.10	688.70	33
34	-180.70	463.80	54.11	60.72	-219.00	447.30	34
35	25.41	624.20	50.91	67.11	-366.10	559.20	35
36	-89.09	337.80	2.98	86.29	-118.90	312.00	36



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
1	-154.30	195.90	40.72	54.86	1
2	-184.00	190.00	43.64	51.94	2
3	-136.50	106.90	54.73	36.18	3
4	-154.30	160.30	55.31	40.27	4
5	-94.97	136.50	52.98	47.27	5
6	-124.60	142.50	50.65	44.94	6
7	-160.30	166.30	54.15	37.93	7
8	-195.90	237.40	23.80	40.27	8
9	-267.10	415.60	24.38	43.19	9
10	-225.60	469.00	40.72	57.19	10
11	-308.70	482.70	38.97	92.79	11
12	-593.60	932.10	39.56	122.60	12
13	-326.50	558.00	28.47	93.96	13
14	-219.60	510.60	33.14	47.27	14
15	-415.50	920.20	23.22	109.70	15
16	-379.90	777.70	40.14	119.60	16
17	-403.70	932.00	40.14	127.80	17
18	-213.70	492.80	54.73	85.21	18
19	-629.30	991.40	8.05	127.20	19
20	-641.10	1039.00	16.80	131.30	20
21	-374.00	700.50	40.73	110.90	21
22	-195.90	581.80	66.99	83.46	22
23	-83.09	564.00	36.06	77.03	23
24	-154.30	540.30	59.40	89.87	24
25	-148.40	463.10	31.97	55.44	25
26	-160.30	463.10	21.47	64.78	26
27	-94.97	564.00	58.82	78.79	27
28	-118.70	469.00	6.29	90.46	28
29	-160.30	368.10	22.05	50.19	29
30	-213.70	302.80	17.97	47.27	30
31	-178.10	338.40	13.30	50.77	31
32	-94.94	433.40	33.14	68.28	32
33	-290.90	866.80	23.80	167.50	33
34	-225.60	480.90	63.49	71.78	34
35	-356.20	575.80	73.41	85.21	35
36	-148.40	379.90	20.88	72.37	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TGW 20300 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-224.10	216.50	-116.70	194.80	-64.38	174.70	2
3	-218.30	198.90	-110.80	177.10	-90.28	163.00	3
4	-241.70	257.50	-104.80	194.80	-122.60	198.00	4
5	-212.40	228.20	-122.60	188.90	-105.10	180.50	5
6	-183.10	175.60	-93.03	159.30	-70.19	157.20	6
7	-224.10	204.80	-146.20	212.50	-116.80	180.50	7
8	-218.30	222.40	-122.50	212.50	-134.20	209.60	8
9	-189.00	169.70	-81.22	159.30	-76.00	151.40	9
10	-300.20	199.00	-169.80	236.10	-116.80	227.10	10
11	-165.60	158.00	-69.44	147.60	-58.53	122.30	11
12	-159.70	210.70	-57.63	159.40	-64.38	139.80	12
13	-235.80	310.10	-158.00	271.50	-122.60	256.20	13
14	-235.80	263.30	-140.30	230.20	-128.40	227.10	14
15	-235.80	286.70	-140.30	242.00	-122.60	244.50	15
16	-229.90	280.90	-152.10	230.20	-128.40	238.70	16
17	-241.70	292.60	-134.30	236.10	-151.70	227.10	17
18	-218.30	269.20	-116.60	230.20	-93.47	238.70	18
19	-218.30	269.20	-98.94	247.90	-93.47	227.10	19
20	-212.40	263.30	-122.50	224.30	-99.31	221.30	20
21	-235.80	286.70	-140.30	230.20	-134.20	244.50	21
22	-206.50	292.60	-98.91	236.10	-128.40	227.10	22
23	-112.90	292.60	-116.60	230.20	-105.10	227.10	23
24	-206.50	245.80	-104.80	194.80	-122.60	209.60	24
25	-235.80	275.00	-51.72	224.30	-87.66	244.50	25
26	-183.10	269.20	-98.94	247.90	-105.10	227.10	26
27	-165.60	298.40	-116.70	301.00	-140.00	238.70	27
28	-194.80	234.10	-87.13	177.10	-99.31	186.30	28
29	-189.00	251.60	-87.13	200.70	-87.63	186.30	29
30	-200.70	239.90	-69.41	171.20	-93.47	180.50	30
31	-206.50	292.60	-10.41	206.60	-105.10	238.70	31
32	-206.60	234.10	-28.13	200.70	-52.69	221.30	32
33	-177.30	228.20	-39.91	212.50	-70.19	227.10	33
34	-200.70	275.00	-75.31	212.50	-99.28	232.90	34
35	-276.80	280.90	-163.90	253.80	-151.70	262.00	35
36	-323.60	304.30	-98.91	236.10	-215.80	291.10	36
37	-218.20	210.70	-39.91	224.30	-35.25	227.10	37
38	-200.70	275.00	-57.63	218.40	-52.69	221.30	38
39	-183.10	245.80	-39.94	188.90	-58.53	238.70	39
40	-148.00	316.00	-16.28	236.10	-52.72	232.90	40
41	-194.80	292.60	-193.40	224.30	-140.10	250.40	41
42	-142.20	158.00	-87.16	141.70	-70.19	133.90	42
43	-153.90	158.00	-39.91	141.70	-64.38	104.80	43
44	-148.00	175.50	-39.91	153.50	-46.91	133.90	44
45	-200.70	181.40	-45.81	171.20	-.31	192.10	45
46	-124.60	362.80	-45.81	277.40	5.53	267.80	46
47	-107.10	286.80	-10.38	242.00	-.31	227.10	47
48	-95.38	216.50	-34.00	218.40	40.44	209.60	48

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AIRCRAFT SLP1 FLIGHT 139  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
49	-101.20	199.00	-98.94	224.30	-23.63	215.40	49

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## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TGGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	42.61	41.46	-43.63	187.80	92.13	219.60	2
3	33.40	38.39	-82.13	178.20	97.00	214.70	3
4	31.37	36.85	-72.50	207.10	111.60	219.60	4
5	41.08	39.92	-58.06	192.60	37.22	224.50	5
6	31.87	27.64	-43.59	158.90	57.97	185.40	6
7	44.15	39.92	-58.06	192.60	106.80	234.20	7
8	38.01	46.06	-86.94	202.30	101.90	219.60	8
9	33.40	23.03	-53.25	168.60	48.19	195.20	9
10	31.87	36.85	-101.40	226.30	96.97	234.20	10
11	45.69	41.46	-197.70	216.70	223.80	234.20	11
12	36.47	44.53	-183.30	221.50	238.50	268.40	12
13	54.90	32.24	-29.16	317.80	28.69	341.60	13
14	48.76	32.24	-38.78	221.50	9.16	253.70	14
15	45.69	26.10	-53.25	264.90	43.31	287.90	15
16	54.90	32.24	-29.16	250.40	18.94	273.30	16
17	42.62	32.24	-43.59	264.80	33.56	287.90	17
18	38.01	30.71	-14.69	264.90	-5.47	307.40	18
19	36.47	32.24	23.81	274.50	-25.00	307.40	19
20	36.47	23.03	-43.59	236.00	18.91	263.50	20
21	45.69	23.03	-5.06	274.50	-5.47	297.70	21
22	51.33	35.31	-33.97	264.80	18.91	302.50	22
23	48.76	29.17	33.47	236.00	4.28	258.60	23
24	42.62	26.10	-24.34	216.70	9.16	253.70	24
25	39.54	35.31	19.00	240.80	9.16	283.00	25
26	36.47	29.17	-5.06	264.90	9.16	283.00	26
27	56.43	85.38	43.09	293.80	-29.88	283.00	27
28	39.54	29.17	-2.25	192.60	-5.50	219.60	28
29	42.62	38.38	4.53	226.30	9.16	234.20	29
30	28.79	33.78	-29.16	183.00	48.19	214.70	30
31	30.33	47.60	33.44	245.60	-10.38	273.30	31
32	34.94	36.85	96.06	202.30	-78.69	195.20	32
33	42.62	50.67	14.19	255.30	18.91	263.50	33
34	51.83	56.81	67.16	231.20	-49.41	253.70	34
35	61.04	53.74	-2.28	221.50	33.53	248.80	35
36	79.46	62.95	52.72	236.00	-29.88	263.50	36
37	31.87	36.85	86.41	211.90	-49.41	195.20	37
38	28.79	55.28	62.34	274.50	-20.13	283.00	38
39	36.47	35.32	52.72	226.30	-10.34	234.20	39
40	45.69	47.60	57.53	279.30	-20.13	292.80	40
41	68.72	70.63	71.97	236.00	-10.38	263.50	41
42	38.01	42.99	-149.60	197.40	145.80	214.70	42
43	38.01	30.71	-192.90	231.20	223.90	273.30	43
44	45.69	38.38	-231.40	202.30	131.10	219.60	44
45	45.69	41.46	-241.00	240.80	258.00	297.60	45
46	22.65	132.00	-250.70	443.10	306.80	444.00	46
47	25.72	104.40	-207.30	370.80	262.90	370.80	47
48	31.87	70.63	-192.90	288.90	219.00	317.20	48



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CH-46 FGB STRESS SURVEY

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TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
49	21.12	105.90	-164.00	250.40	253.20	312.30	49

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TGW 20800 TCR 9.7 AFT FLIGHT DATE 08/30/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-291.20	361.80	-337.10	539.70	-348.90	127.70	2
3	-216.10	368.70	-239.80	477.80	-319.30	140.20	3
4	-270.70	396.00	-284.10	575.10	-345.80	152.60	4
5	-352.60	368.70	-310.60	513.20	-376.90	140.20	5
6	-263.80	307.20	-275.20	371.60	-281.90	88.78	6
7	-284.30	382.30	-372.50	522.00	-364.40	133.90	7
8	-325.30	409.60	-381.40	495.40	-357.40	159.60	8
9	-257.00	314.00	-292.90	371.60	-306.80	88.76	9
10	-291.20	334.50	-346.00	460.10	-460.20	186.10	10
11	9.22	416.50	-62.88	654.70	-279.60	203.20	11
12	-188.80	505.20	-80.56	707.80	-261.70	202.50	12
13	-434.60	491.60	-301.80	840.50	-368.30	164.30	13
14	-386.80	416.50	-301.70	610.50	-356.60	154.20	14
15	-359.40	484.80	-381.40	743.20	-401.10	136.30	15
16	-339.00	423.30	-337.10	663.60	-359.00	153.40	16
17	-373.10	430.10	-372.50	716.60	-324.70	153.40	17
18	-339.00	437.00	-372.50	663.50	-308.40	165.10	18
19	-373.10	430.10	-346.00	672.40	-318.50	142.50	19
20	-311.70	437.00	-301.70	628.20	-340.30	102.00	20
21	-373.10	402.80	-434.50	690.10	-350.40	149.50	21
22	-304.80	525.70	-372.50	610.50	-324.00	218.00	22
23	-304.80	430.10	-611.40	690.10	-295.90	146.40	23
24	-332.20	389.20	-319.40	628.20	-303.70	126.20	24
25	-373.10	457.40	-496.40	663.60	-351.20	195.40	25
26	-345.80	430.10	-346.00	637.00	-348.10	179.90	26
27	-393.60	437.00	-443.30	875.90	-320.10	183.00	27
28	-304.80	361.80	-346.00	548.50	-260.90	134.70	28
29	-311.70	355.00	-372.50	592.80	-263.20	204.00	29
30	-257.00	327.70	-231.00	645.80	-246.10	177.50	30
31	-379.90	450.60	-328.30	867.00	-244.50	197.80	31
32	-386.80	443.80	-266.30	592.80	-190.00	171.30	32
33	-209.30	525.70	-195.60	805.10	-188.50	202.50	33
34	-352.60	546.20	-319.40	822.80	-298.30	184.60	34
35	-407.30	518.90	-301.80	822.80	-439.20	224.30	35
36	-352.60	518.90	-275.20	725.50	-505.40	288.90	36
37	-311.70	518.90	229.10	716.70	-207.90	183.00	37
38	-304.80	471.10	-310.60	743.20	-138.60	242.90	38
39	-373.10	471.10	-231.00	734.30	-155.80	149.50	39
40	-407.30	491.60	-328.30	778.60	-260.10	193.10	40
41	-325.30	518.90	-354.80	822.80	-425.20	211.80	41
42	-38.56	409.60	-36.31	645.90	-281.90	176.00	42
43	-31.72	389.20	-54.03	645.80	-323.20	159.60	43
44	16.06	423.30	-80.56	672.40	-306.80	183.80	44
45	43.38	546.20	158.30	822.80	-371.40	204.80	45
46	-113.70	621.30	326.40	955.50	-361.30	440.70	46
47	-168.30	635.00	149.50	707.80	-323.20	359.00	47
48	-168.30	553.00	16.75	681.30	-387.00	292.00	48

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TGGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-100.00	430.10	370.70	734.30	-274.10	358.20	49

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AIRCRAFT SLP1 FLIGHT 139  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	17.99	23.44	-256.00	247.20	-250.60	230.60	2
3	17.40	22.86	-260.80	232.70	-206.40	206.10	3
4	22.09	25.20	-740.70	441.10	-657.90	530.00	4
5	26.78	22.86	-357.80	290.80	-441.90	284.60	5
6	18.58	16.99	-265.70	198.80	-250.60	181.60	6
7	22.09	24.03	-382.00	266.60	-471.40	294.40	7
8	17.99	28.13	-440.20	324.80	-559.70	422.00	8
9	19.16	16.41	-246.30	208.40	-226.00	196.30	9
10	20.92	19.34	-416.00	281.20	-412.50	294.40	10
11	14.47	23.44	-217.20	295.70	-265.30	304.30	11
12	5.68	33.40	-260.80	416.90	-348.70	436.70	12
13	37.33	56.85	-512.90	358.70	-363.40	265.00	13
14	37.91	42.20	-585.60	431.40	-535.20	485.80	14
15	34.98	43.95	-668.00	446.00	-599.00	431.80	15
16	39.09	44.54	-668.00	475.10	-638.20	530.00	16
17	35.57	45.71	-493.50	475.10	-417.40	436.80	17
18	35.57	41.02	-508.00	344.20	-402.70	284.60	18
19	36.74	45.71	-575.90	470.20	-510.70	530.00	19
20	30.30	38.09	-377.20	261.80	-338.90	181.60	20
21	37.33	43.95	-435.30	310.20	-329.10	230.70	21
22	36.16	52.16	-430.50	305.40	-363.40	225.80	22
23	33.23	39.85	-352.90	344.20	-270.20	211.00	23
24	33.23	38.68	-416.00	281.20	-407.60	230.60	24
25	43.19	42.78	-338.40	261.80	-255.50	186.50	25
26	36.16	41.61	-445.00	261.80	-334.00	186.50	26
27	57.84	55.09	-440.20	402.30	-329.10	338.60	27
28	34.99	33.40	-289.90	252.10	-280.00	230.70	28
29	37.33	39.27	-323.90	295.70	-260.40	260.10	29
30	25.02	36.33	-294.80	315.10	-235.80	265.00	30
31	39.09	55.09	-338.40	387.80	-299.70	338.60	31
32	44.36	45.13	-197.80	344.20	-186.80	314.00	32
33	30.30	52.16	-212.30	368.40	-216.30	343.50	33
34	48.46	60.95	-212.30	378.10	-152.40	368.10	34
35	36.74	56.26	-362.60	489.60	-270.20	387.70	35
36	37.33	58.02	-289.90	523.50	-235.80	461.30	36
37	41.43	49.23	-188.10	382.90	-167.20	353.30	37
38	32.05	62.12	-173.60	397.50	-172.10	358.30	38
39	38.50	50.99	-193.00	378.10	-172.10	348.40	39
40	51.39	60.36	-256.00	363.60	-152.40	328.80	40
41	42.61	60.95	-382.00	441.10	-245.70	431.80	41
42	13.89	28.72	-188.10	256.90	-152.40	250.30	42
43	4.51	31.06	-125.10	213.30	-157.30	215.90	43
44	17.99	23.44	-202.70	232.70	-142.60	250.30	44
45	10.94	33.99	-168.70	315.10	-289.80	319.00	45
46	8.61	46.88	-212.30	610.80	-226.00	539.80	46
47	2.75	38.68	-309.30	407.20	-319.30	387.70	47
48	6.85	39.27	-314.20	353.80	-304.60	372.90	48



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EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	15.65	32.82	-212.30	368.40	-152.40	338.60	49

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TCGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-673.30	492.60	67.31	686.40	-389.90	246.90	2
3	-591.20	506.20	55.47	674.50	-360.70	250.10	3
4	-1104.00	1498.00	540.70	2580.00	-400.80	697.20	4
5	-639.00	485.70	114.70	710.00	-434.30	317.20	5
6	-673.30	424.10	-62.88	627.20	-250.30	137.50	6
7	-659.60	465.20	197.50	1030.00	-415.90	350.80	7
8	-871.70	855.20	777.30	1515.00	-528.50	569.50	8
9	-666.40	458.30	-74.69	662.70	-215.60	124.50	9
10	-707.50	513.10	459.00	1254.00	-400.80	318.30	10
11	-598.00	554.10	67.31	662.70	-253.50	296.70	11
12	-392.80	663.60	90.97	1089.00	-369.40	362.70	12
13	-1002.00	711.50	505.20	1621.00	-390.00	296.70	13
14	-1214.00	1348.00	1263.00	2331.00	-373.70	724.30	14
15	-1289.00	1108.00	1073.00	2000.00	-470.10	627.90	15
16	-1351.00	1512.00	1416.00	2793.00	-323.90	774.10	16
17	-1152.00	957.70	1192.00	1953.00	-329.30	623.60	17
18	-803.30	567.80	449.70	1160.00	-261.10	260.90	18
19	-816.90	1594.00	576.20	2237.00	-312.00	786.00	19
20	-885.30	567.80	-275.90	887.60	-236.20	223.00	20
21	-926.40	581.50	564.30	1160.00	-317.40	213.30	21
22	-953.80	608.90	-157.50	745.50	-271.90	137.50	22
23	-782.70	656.80	-122.10	757.40	-218.90	149.40	23
24	-871.70	540.50	221.20	840.20	-271.90	146.20	24
25	-837.40	629.40	-62.88	792.90	-239.50	189.50	25
26	-974.30	643.10	-27.38	757.40	-314.20	171.10	26
27	-912.70	663.60	-169.40	1231.00	-197.20	255.50	27
28	-755.30	437.80	-110.20	674.50	-175.60	129.90	28
29	-796.40	478.90	-27.38	733.70	-191.80	191.60	29
30	-700.60	492.60	-74.69	662.70	-147.40	188.40	30
31	-632.20	615.70	-27.34	1089.00	-254.60	336.70	31
32	-666.40	608.80	19.94	970.40	-34.83	223.00	32
33	-632.20	711.50	-370.60	1030.00	-59.72	213.30	33
34	-686.90	725.20	-204.90	1053.00	-161.50	230.60	34
35	-714.30	752.50	-51.06	970.40	-266.50	272.90	35
36	-912.70	745.70	-62.88	958.60	-170.20	293.40	36
37	-673.30	643.10	-86.56	1006.00	-43.49	220.90	37
38	-762.20	622.60	-133.90	1006.00	-15.34	266.30	38
39	-673.30	684.10	-74.69	970.40	-68.39	219.80	39
40	-591.20	697.80	31.81	1101.00	-73.80	275.00	40
41	-823.80	711.50	126.50	1053.00	-200.50	284.80	41
42	-509.10	519.90	292.10	698.20	-274.10	239.30	42
43	-303.80	369.40	19.97	568.00	-173.40	242.50	43
44	-604.80	478.90	315.80	579.90	-227.50	173.20	44
45	-550.10	684.10	256.70	852.00	-309.80	469.90	45
46	-502.20	827.80	90.97	1160.00	-269.80	505.60	46
47	-344.90	684.10	221.10	863.90	-312.00	530.50	47
48	-454.30	643.10	126.50	769.20	-323.90	479.60	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TOW 20800 TOW 9.7 AFT FLIGHT DATE 08/30/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-563.80	820.90	919.30	1491.00	-405.10	621.50	49

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TGW 20300 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-116.40	332.20	46.26	75.17	-124.50	258.90	2
3	-110.70	257.80	38.26	67.17	-106.80	241.20	3
4	-87.75	830.60	46.26	164.70	-159.80	553.10	4
5	-162.30	263.50	59.05	81.57	-136.30	258.90	5
6	-116.40	206.20	30.26	46.38	-124.50	188.30	6
7	-47.69	343.70	35.06	99.16	-118.60	335.40	7
8	-173.70	595.70	60.65	137.50	-142.10	382.40	8
9	-104.90	194.80	27.06	43.18	-130.40	170.60	9
10	-139.30	274.90	52.65	107.20	-218.70	235.30	10
11	-99.22	200.50	33.46	113.60	-89.19	223.60	11
12	-87.78	234.80	20.66	97.56	-89.19	235.30	12
13	-150.80	366.60	62.25	62.38	-206.90	376.60	13
14	-139.30	927.90	39.86	155.10	-189.20	476.60	14
15	-145.10	704.60	81.44	110.40	-236.30	323.60	15
16	-190.90	1083.00	73.45	159.90	-177.40	464.80	16
17	-110.70	647.30	46.26	91.17	-139.80	447.20	17
18	-150.80	355.20	27.06	52.78	-224.50	323.60	18
19	-173.70	939.40	27.06	139.10	-236.30	476.60	19
20	-168.00	326.50	44.66	41.58	-159.80	305.90	20
21	-162.30	297.90	36.66	36.79	-159.80	270.70	21
22	-93.50	343.70	25.46	35.19	-165.70	311.80	22
23	72.59	498.30	25.46	38.38	-100.90	294.20	23
24	-110.70	360.90	27.06	52.78	-171.60	247.10	24
25	-76.31	326.50	15.87	31.99	-112.70	270.70	25
26	-173.70	320.80	35.06	44.78	-195.10	282.40	26
27	-64.84	383.80	31.86	89.56	-248.00	311.80	27
28	72.63	406.70	14.27	30.39	-130.40	229.40	28
29	84.06	509.80	20.67	36.79	-106.80	264.80	29
30	21.06	458.30	27.06	49.58	-148.00	235.30	30
31	49.72	464.00	59.05	132.80	-65.66	353.00	31
32	-47.69	274.90	-6.52	102.40	-95.06	253.00	32
33	-110.70	303.60	12.67	108.80	-36.22	288.30	33
34	-93.50	343.70	27.06	126.40	-130.40	300.10	34
35	-116.40	423.90	27.06	126.40	-142.10	335.40	35
36	-162.30	389.50	12.67	108.80	-89.19	329.50	36
37	-41.94	257.80	1.47	107.20	-83.31	264.80	37
38	-76.31	246.30	15.87	70.37	-48.00	311.80	38
39	-1.84	320.80	-1.73	94.36	-112.70	282.40	39
40	9.59	378.00	9.47	108.80	-118.60	335.40	40
41	89.78	492.60	35.06	124.80	-206.90	353.00	41
42	204.40	423.90	17.47	81.57	-142.10	182.40	42
43	-41.97	154.70	15.87	60.78	-65.66	176.50	43
44	72.59	315.00	15.87	60.78	-106.80	170.60	44
45	78.34	401.00	-20.92	116.80	-48.00	288.30	45
46	72.59	395.20	23.87	107.20	-101.00	282.40	46
47	-64.88	246.30	27.06	110.40	-89.19	235.30	47
48	-30.50	200.50	9.47	115.20	-77.41	247.10	48



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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TSGW 20800 TBCR 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-82.06	309.30	-3.32	83.17	-124.50	388.30	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TUGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-94.91	333.50	27.92	45.52	2
3	-124.60	237.60	32.59	53.69	3
4	-178.00	588.00	19.75	186.80	4
5	-112.70	297.00	13.33	58.95	5
6	-130.60	207.90	17.62	36.18	6
7	-59.28	362.30	11.00	58.95	7
8	-124.60	487.00	8.66	131.30	8
9	-136.50	201.90	18.00	37.94	9
10	-136.50	308.80	16.84	61.28	10
11	-136.50	213.80	35.51	57.78	11
12	-154.30	350.40	57.11	50.19	12
13	-213.70	386.10	37.26	60.70	13
14	-166.20	445.40	16.25	124.90	14
15	-106.80	445.40	2.24	103.90	15
16	-296.80	540.50	20.34	125.50	16
17	-213.70	504.80	6.91	65.37	17
18	-237.40	386.10	1.08	50.19	18
19	-219.60	451.40	1.08	148.20	19
20	-130.50	279.20	16.83	57.78	20
21	-207.80	296.90	1.08	39.69	21
22	-243.40	296.90	-2.42	42.02	22
23	-195.90	285.10	10.41	43.19	23
24	-219.60	320.70	-2.42	42.02	24
25	-172.10	285.10	-7.10	40.85	25
26	-178.10	291.00	-7.68	55.45	26
27	-184.00	308.80	9.83	65.95	27
28	-136.50	237.60	-5.34	40.27	28
29	-172.10	249.40	-15.27	56.03	29
30	-184.00	261.30	-14.10	50.19	30
31	-136.50	332.60	-3.01	67.12	31
32	-100.80	273.20	1.08	70.04	32
33	-17.72	332.60	.49	78.79	33
34	-71.16	338.50	-11.76	75.87	34
35	-118.70	338.50	-4.18	78.79	35
36	-106.80	302.90	3.41	72.37	36
37	-100.80	273.20	9.25	72.37	37
38	-65.22	285.10	-8.84	68.29	38
39	-83.03	302.90	-1.26	61.87	39
40	-83.03	338.50	-30.44	77.04	40
41	-136.50	344.50	-7.68	74.12	41
42	-178.10	184.10	18.59	57.20	42
43	-94.91	172.20	36.68	46.11	43
44	-160.20	166.30	5.74	56.03	44
45	-118.70	279.20	23.25	64.20	45
46	-100.80	368.20	29.09	81.71	46
47	-189.90	326.70	48.35	63.62	47
48	-172.10	296.90	57.11	65.37	48

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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)

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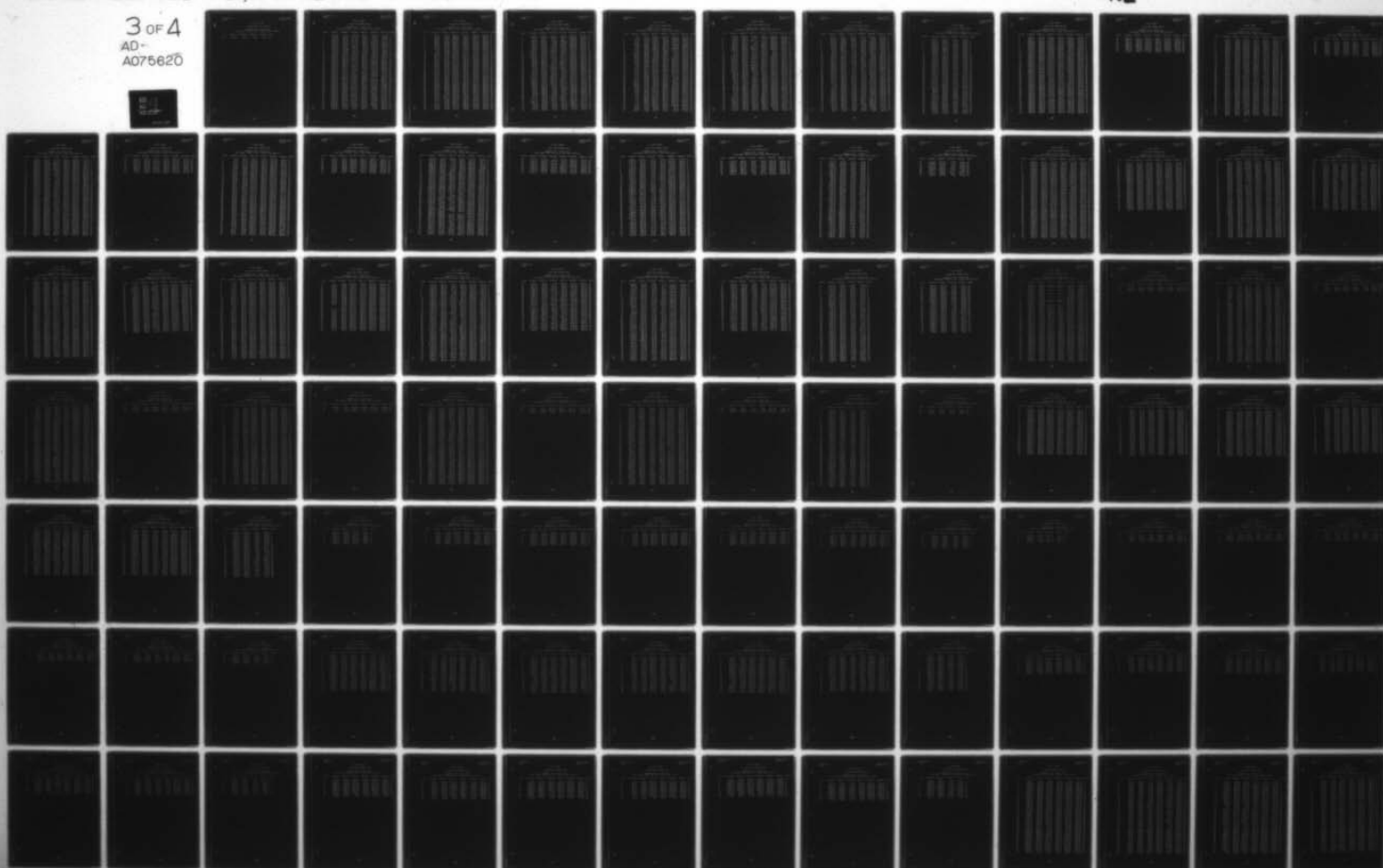
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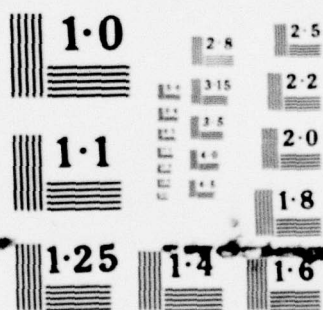
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139  
TORGW 20800 TBOG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	A9660SDY	69360ALT	A9670SDY	A9670ALT	EVENT
49	-189.90	433.60	55.36	79.96	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140

TSGW 24300 TBCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
1	-204.80	181.00	-88.69	106.10	-64.47	116.30	1
2	-175.60	210.20	-171.30	176.90	-134.20	162.80	2
3	-169.80	204.40	-141.80	159.20	-99.34	162.80	3
4	-216.50	134.30	-147.60	141.50	-81.91	110.50	4
5	-204.80	157.70	-100.50	165.10	-209.80	215.10	5
6	-251.50	157.60	-100.50	129.70	-122.60	151.20	6
7	-269.00	186.80	-130.00	182.80	-111.00	232.50	7
8	-251.50	181.00	-188.90	171.00	-140.00	180.20	8
9	-228.20	204.30	-135.90	176.90	-122.60	174.40	9
10	-99.69	99.25	-6.16	94.34	22.75	98.81	10
11	-123.10	122.60	-35.63	100.30	-12.13	98.81	11
12	-158.10	110.90	-47.41	100.20	-23.75	98.81	12
13	-315.80	280.30	-165.30	241.70	-145.80	255.80	13
14	-263.20	227.70	-112.30	212.30	-81.91	180.20	14
15	-257.30	245.20	-141.80	241.80	-145.80	220.90	15
16	-269.00	280.30	-183.00	259.40	-151.70	250.00	16
17	-257.30	256.90	-147.70	224.00	-122.60	209.30	17
18	-257.30	268.60	-141.80	241.80	-122.60	232.50	18
19	-251.50	286.10	-171.30	247.60	-163.30	226.70	19
20	-298.20	286.10	-124.10	224.10	-140.00	215.10	20
21	-339.10	291.90	-147.60	212.30	-169.10	255.80	21
22	-309.90	321.10	-88.69	271.20	-134.20	255.80	22
23	-234.00	151.80	-147.70	117.90	-99.34	104.70	23
24	-269.00	175.20	-147.70	153.30	-105.20	133.70	24
25	-274.80	157.70	-135.80	129.70	-128.40	157.00	25
26	-228.10	181.00	-118.20	182.80	-93.53	180.20	26
27	-263.20	239.40	-188.90	218.20	-151.70	226.70	27
28	-263.20	262.80	-141.80	206.40	-122.60	220.90	28
29	-274.90	321.10	-153.50	253.50	-174.90	250.00	29
30	-274.80	274.40	-159.40	224.10	-128.40	215.10	30
31	-228.20	286.10	-177.10	277.10	-140.00	273.20	31
32	-210.70	186.80	-141.80	135.60	-122.60	139.50	32
33	-210.60	151.80	-165.30	135.60	-76.09	127.90	33
34	-257.30	175.20	-177.10	147.40	-105.20	110.50	34
35	-222.30	198.50	-171.20	165.10	-128.40	122.10	35
36	-198.90	233.60	-177.10	171.00	-116.80	133.70	36
37	-210.60	245.30	-135.80	165.10	-99.34	151.20	37
38	-292.40	490.40	-265.60	318.40	-192.30	430.20	38
39	-175.60	350.30	-159.40	341.90	-76.06	302.30	39
40	-198.90	373.70	-100.50	330.20	-81.88	308.10	40
41	-187.30	291.90	-153.50	277.10	-81.88	261.60	41
42	-239.80	216.00	-65.09	235.80	-99.34	186.00	42
43	-216.50	192.70	-177.10	147.40	-151.70	133.70	43
44	-198.90	151.80	-135.80	117.90	-52.81	104.60	44
45	-111.40	134.30	-29.72	129.70	46.03	133.70	45
46	-134.80	181.00	-6.16	165.10	11.16	145.30	46

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TORG 24300 TORG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	23.97	67.48	-305.40	235.90	288.60	219.60	1
2	42.33	79.75	-295.80	264.80	278.80	248.80	2
3	56.13	72.08	-295.80	264.80	259.30	239.10	3
4	26.99	64.41	-319.90	192.60	283.70	185.40	4
5	28.53	78.22	-324.70	216.70	327.60	209.80	5
6	39.24	85.89	-315.10	303.40	308.10	287.90	6
7	26.99	70.55	-329.50	240.80	259.30	248.80	7
8	23.97	82.82	-247.70	245.60	225.20	234.20	8
9	16.26	75.15	-358.40	240.80	274.00	224.50	9
10	.92	35.28	-108.00	144.50	117.80	175.70	10
11	10.12	35.28	-112.80	130.00	112.90	161.00	11
12	16.26	32.21	-213.90	144.40	220.30	161.00	12
13	37.77	78.22	-209.20	274.50	215.40	302.50	13
14	56.13	96.62	-257.30	284.10	244.70	331.80	14
15	36.20	64.41	-276.50	245.60	308.10	278.10	15
16	48.46	104.30	-319.90	298.60	342.30	322.00	16
17	57.67	82.82	-305.40	274.50	322.80	322.00	17
18	46.93	90.49	-291.00	279.30	342.30	312.30	18
19	39.24	82.82	-305.40	293.80	371.50	312.30	19
20	48.46	79.75	-329.50	298.60	356.90	326.90	20
21	57.67	82.82	-339.20	288.90	361.80	302.50	21
22	22.39	115.00	-339.20	356.30	366.70	375.70	22
23	40.79	90.49	-233.20	192.60	278.80	190.30	23
24	43.86	90.49	-242.80	192.60	259.30	200.10	24
25	25.44	84.35	-252.50	192.60	244.70	204.90	25
26	39.24	79.75	-136.90	163.70	156.90	195.20	26
27	45.40	55.21	-165.80	192.60	186.20	234.20	27
28	48.44	49.08	-175.40	231.10	200.80	268.30	28
29	42.33	55.21	-204.30	240.80	244.70	273.30	29
30	43.84	50.61	-189.90	226.30	220.30	258.60	30
31	25.46	108.90	-194.70	250.40	215.40	283.00	31
32	26.99	36.81	-286.20	235.90	298.30	229.30	32
33	26.99	39.88	-271.80	202.30	308.10	190.30	33
34	30.04	55.21	-262.10	231.20	283.70	234.20	34
35	25.46	59.81	-281.30	250.40	288.60	258.60	35
36	28.53	75.15	-281.30	269.70	347.20	287.90	36
37	22.39	84.35	-286.20	255.20	352.00	263.50	37
38	51.57	101.20	-425.80	394.90	474.00	385.50	38
39	34.66	185.60	-353.60	447.80	435.00	483.10	39
40	26.99	190.20	-300.60	452.60	361.80	487.90	40
41	33.13	171.80	-262.10	375.60	337.40	424.50	41
42	30.04	82.82	-238.00	236.00	303.30	302.50	42
43	45.40	61.35	-334.30	226.30	381.30	234.20	43
44	43.86	50.61	-257.30	168.50	239.80	190.30	44
45	26.99	79.75	-30.97	134.80	117.80	165.90	45
46	14.72	79.75	-170.60	178.20	215.40	185.40	46



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# FLIGHT LOADS

## CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TCGW 24300 TCCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	163.50	355.00	148.20	619.40	-348.60	233.20	1
2	108.90	491.60	-188.10	707.90	-380.60	260.50	2
3	61.04	471.10	174.70	752.10	-353.30	301.80	3
4	183.90	348.20	174.70	628.30	-386.80	248.00	4
5	115.70	375.50	86.22	769.80	-355.60	249.60	5
6	54.22	355.00	6.56	654.80	-449.20	371.20	6
7	115.70	512.10	307.40	1097.00	-355.60	212.10	7
8	33.78	443.80	6.59	743.30	-372.00	233.20	8
9	259.10	409.60	-152.70	654.80	-323.70	256.60	9
10	-34.50	279.90	245.50	415.90	-56.14	140.40	10
11	-171.10	279.90	-108.40	522.10	-206.70	128.70	11
12	-34.57	307.20	174.70	433.60	-154.40	131.00	12
13	-280.30	457.40	-197.00	1354.00	-410.20	301.00	13
14	-41.31	546.20	95.06	991.10	-308.10	304.90	14
15	108.90	491.60	404.80	911.40	-320.50	287.80	15
16	54.22	532.50	77.34	1540.00	-392.30	334.60	16
17	122.50	505.20	148.20	1398.00	-349.40	321.30	17
18	95.22	532.50	-37.66	1495.00	-382.90	317.40	18
19	197.60	457.40	-161.60	1407.00	-376.70	283.10	19
20	67.91	532.50	-135.00	1416.00	-422.70	315.10	20
21	40.59	437.00	-232.30	1549.00	-453.90	338.50	21
22	436.60	573.50	537.50	1469.00	-308.10	395.40	22
23	20.13	375.50	-161.50	575.20	-319.00	222.30	23
24	-82.31	396.00	-46.50	707.90	-375.90	237.10	24
25	-75.50	348.20	-55.38	628.30	-336.10	220.70	25
26	-143.80	334.60	-365.10	743.30	-360.30	271.40	26
27	-116.40	348.20	-373.90	1018.00	-350.90	212.10	27
28	-143.80	416.40	-365.10	1133.00	-420.40	194.20	28
29	-95.97	409.70	-391.60	1265.00	-387.60	203.60	29
30	-95.97	396.00	-320.80	1141.00	-415.70	175.50	30
31	-27.69	614.40	-347.30	1310.00	-460.90	314.30	31
32	108.80	505.20	50.81	539.80	-393.80	184.80	32
33	54.25	518.90	59.66	513.20	-329.10	154.40	33
34	115.70	498.40	112.80	584.00	-394.60	210.60	34
35	33.75	553.00	112.80	619.40	-368.90	253.50	35
36	88.38	539.40	95.06	672.50	-326.80	334.60	36
37	108.90	518.90	-37.69	610.60	-351.70	339.30	37
38	170.30	757.80	-400.50	1451.00	-360.30	460.10	38
39	-171.10	798.80	254.30	1327.00	-304.20	492.90	39
40	-164.20	846.60	201.30	1363.00	-357.20	463.30	40
41	-116.40	744.20	245.50	1053.00	-326.00	411.80	41
42	-287.10	518.90	174.70	787.50	-466.40	354.10	42
43	170.30	334.60	-179.20	681.30	-433.60	291.70	43
44	33.75	334.60	86.22	787.50	-326.00	201.20	44
45	-27.69	286.80	95.06	566.30	-95.13	219.90	45
46	81.54	259.40	227.80	734.40	-70.96	119.30	46



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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TCGW 24300 TCCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	7.62	17.00	-199.60	208.50	-154.30	230.60	1
2	4.69	24.63	-238.40	237.70	-198.50	245.30	2
3	14.07	24.63	-199.60	227.90	-159.20	235.50	3
4	4.10	12.31	-165.70	155.20	-120.00	176.70	4
5	26.38	35.77	-199.60	189.20	-149.40	196.30	5
6	-1.18	22.28	-156.00	174.60	-178.80	196.30	6
7	3.52	29.32	-88.06	261.90	-75.81	250.30	7
8	11.14	56.87	-199.60	237.70	-232.80	260.10	8
9	12.31	36.94	-257.80	266.80	-223.00	260.10	9
10	2.93	34.59	-63.78	198.80	17.41	186.50	10
11	30.48	36.35	-25.03	198.80	-12.03	196.30	11
12	-2.35	36.35	-29.84	213.40	-7.13	211.00	12
13	25.21	63.91	-97.75	291.00	-41.47	274.80	13
14	12.90	52.77	-243.30	291.00	-227.90	304.30	14
15	-1.18	50.42	-286.90	295.80	-257.40	265.00	15
16	-2.35	30.49	-209.30	334.60	-232.80	299.30	16
17	-7.62	27.56	-219.00	315.30	-242.70	299.30	17
18	4.69	28.14	-160.80	305.60	-242.70	279.70	18
19	1.17	22.28	-262.70	368.60	-257.40	333.70	19
20	-2.93	25.21	-199.60	373.40	-272.10	358.20	20
21	2.34	21.11	-204.50	329.80	-232.80	309.20	21
22	4.10	28.73	-252.90	388.00	-267.20	353.30	22
23	13.48	18.18	-223.80	174.60	-203.40	211.00	23
24	11.14	25.21	-122.00	189.10	-120.00	235.50	24
25	7.03	23.45	-180.20	237.70	-144.50	230.60	25
26	16.41	25.80	-88.06	213.40	-51.28	225.70	26
27	17.00	39.28	-63.81	237.60	-51.28	255.20	27
28	21.10	39.87	-146.30	252.20	-120.00	245.30	28
29	29.31	43.39	-83.22	237.70	-85.63	220.80	29
30	25.79	37.53	-97.75	242.50	-120.00	225.70	30
31	27.55	41.63	-97.75	252.20	-21.84	245.30	31
32	8.20	16.42	-214.20	213.40	-218.10	225.70	32
33	10.55	14.07	-175.40	203.70	-183.80	201.20	33
34	8.20	19.94	-146.30	291.00	-213.20	328.80	34
35	8.79	20.52	-155.90	339.50	-257.40	372.90	35
36	8.20	19.94	-180.20	334.70	-252.50	377.80	36
37	4.10	24.04	-175.30	320.10	-252.50	348.40	37
38	1.17	32.83	-243.30	436.50	-335.90	471.10	38
39	-0.00	58.63	-456.70	902.10	-576.30	799.80	39
40	1.17	53.94	-485.80	921.50	-581.30	824.40	40
41	-0.00	49.25	-335.40	373.40	-262.30	319.00	41
42	-0.00	46.90	-456.70	465.60	-404.60	431.80	42
43	8.79	17.00	-257.80	266.80	-237.80	255.20	43
44	5.27	18.18	-49.25	194.00	-7.13	211.00	44
45	20.52	45.15	-39.56	194.00	37.03	186.50	45
46	-12.90	43.39	-88.06	184.30	-36.56	171.80	46

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TSGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-75.09	390.80	-147.70	555.70	-142.70	139.90	1
2	-6.50	377.10	29.69	567.50	-253.30	207.20	2
3	-75.09	459.40	-147.70	744.80	-185.00	234.30	3
4	20.94	281.10	-100.40	508.40	-186.10	126.90	4
5	-54.50	397.70	100.60	709.40	-219.70	242.90	5
6	-40.81	329.10	6.03	567.50	-189.30	273.30	6
7	116.90	445.70	207.00	1052.00	-132.90	177.90	7
8	-184.80	363.40	-254.10	662.10	-228.40	245.10	8
9	-129.90	390.80	-265.90	673.90	-216.40	248.40	9
10	-109.30	274.30	100.60	520.20	51.47	143.20	10
11	7.19	308.60	207.00	626.60	25.44	184.40	11
12	-109.40	301.70	159.80	579.30	48.22	168.10	12
13	192.30	562.30	585.30	957.70	-136.20	274.40	13
14	-164.20	493.70	218.80	945.80	-280.40	459.90	14
15	-253.30	528.00	-632.40	780.30	-123.20	272.30	15
16	-260.20	713.10	-100.30	1289.00	-212.10	322.10	16
17	-164.20	699.40	-254.10	1088.00	-178.50	286.30	17
18	-157.40	678.80	-446.90	1040.00	-180.60	286.40	18
19	-177.90	754.30	-218.60	1265.00	-198.00	349.30	19
20	-123.10	726.80	-348.70	1206.00	-194.70	330.80	20
21	-102.50	706.30	-218.60	1194.00	-160.10	324.30	21
22	-349.30	692.50	-242.20	1218.00	-185.00	394.80	22
23	-27.06	356.60	124.30	591.10	-255.50	259.20	23
24	-95.64	342.80	17.84	626.60	-245.70	247.30	24
25	-88.78	322.30	65.16	626.60	-193.70	256.00	25
26	-81.94	384.00	136.10	603.00	-130.80	175.70	26
27	62.06	445.70	278.00	626.60	-115.60	197.40	27
28	34.63	473.10	455.30	685.70	-163.30	206.10	28
29	89.50	473.10	408.00	780.30	-145.90	186.60	29
30	41.50	466.30	384.40	827.60	-159.00	151.90	30
31	281.50	473.10	585.30	768.50	-143.80	310.20	31
32	-47.64	336.00	-76.72	555.70	-203.40	246.20	32
33	-61.38	336.00	-242.20	413.80	-154.60	249.50	33
34	41.50	425.10	-455.00	626.60	-231.60	367.70	34
35	75.75	473.10	-360.50	768.50	-266.30	417.60	35
36	20.91	486.80	-194.90	863.10	-296.70	447.90	36
37	-6.50	418.30	-159.50	756.70	-303.20	363.40	37
38	-109.30	548.50	-360.50	839.40	-363.90	532.60	38
39	-431.60	925.70	1094.00	1655.00	-385.70	723.40	39
40	-541.30	1419.00	289.80	2365.00	-405.20	703.90	40
41	-184.80	898.20	1094.00	1584.00	-361.80	747.30	41
42	-445.30	788.50	656.30	1383.00	-419.30	566.20	42
43	-184.80	404.50	-218.60	579.30	-237.00	277.70	43
44	-102.50	336.00	218.80	662.00	-191.50	256.00	44
45	-171.10	294.80	124.30	520.20	54.73	116.10	45
46	-260.20	301.70	-29.44	579.30	62.32	160.50	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TORGW 24300 TORG 4.4 FAD FLIGHT DATE 08/31/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	-74.31	148.10	25.07	31.77	-133.90	175.60	1
2	-23.00	176.60	28.25	41.30	-87.06	187.30	2
3	-45.72	165.20	29.83	49.25	18.28	245.80	3
4	-57.22	165.20	18.71	25.42	-104.60	146.30	4
5	-79.97	165.20	17.13	39.71	-98.78	187.30	5
6	-51.50	182.30	23.48	36.54	-163.20	169.70	6
7	-57.19	176.60	31.42	44.48	-116.30	228.20	7
8	39.66	262.10	6.01	98.49	-98.75	175.60	8
9	68.14	256.40	6.01	50.83	-180.70	187.30	9
10	73.84	91.16	6.01	28.60	-34.41	99.47	10
11	56.75	85.44	12.36	47.66	-75.38	128.80	11
12	39.66	114.00	2.83	44.48	-57.81	122.90	12
13	347.30	426.70	36.19	96.90	59.22	392.10	13
14	-57.19	222.20	40.95	120.70	-22.72	228.20	14
15	-17.31	227.90	20.30	90.55	-198.30	228.30	15
16	-28.69	250.70	15.54	88.96	-145.60	269.20	16
17	-51.50	250.70	-3.52	92.14	-174.80	275.00	17
18	-45.81	245.00	7.59	87.38	-174.80	286.70	18
19	-57.22	267.80	17.13	87.37	-128.00	321.80	19
20	-68.59	256.40	12.36	101.70	-174.80	298.50	20
21	-45.81	245.00	6.01	92.14	-163.10	286.80	21
22	-57.22	302.00	18.71	108.00	-180.70	351.10	22
23	-79.97	199.40	25.07	44.48	-116.30	216.50	23
24	-74.22	193.70	12.36	50.84	-122.20	175.60	24
25	-85.69	193.70	12.36	73.08	-98.78	199.00	25
26	-51.50	182.30	25.07	57.19	-92.94	158.00	26
27	-17.31	182.30	45.72	65.13	-116.30	251.60	27
28	-17.31	193.70	21.89	60.37	-104.60	228.30	28
29	-34.41	233.60	42.54	58.72	-104.60	239.90	29
30	-0.22	210.80	39.37	55.60	-87.06	222.40	30
31	-40.13	216.50	40.96	73.08	-151.40	275.10	31
32	5.47	159.50	21.89	44.48	-87.06	163.90	32
33	-28.72	170.90	17.13	52.42	-34.41	251.70	33
34	-45.81	245.00	15.54	111.20	-122.20	222.40	34
35	-23.00	313.40	12.36	104.80	-116.30	239.90	35
36	-45.81	313.40	28.25	114.40	-98.78	245.80	36
37	-62.91	239.30	34.60	95.32	-87.06	222.40	37
38	-23.03	336.20	21.89	136.60	-116.30	310.20	38
39	-222.40	433.00	2.83	184.30	-321.20	456.50	39
40	-131.30	535.60	28.25	168.40	-321.10	491.60	40
41	-114.20	347.60	2.83	143.00	-198.30	474.00	41
42	-97.06	319.10	29.84	150.90	-297.80	304.30	42
43	22.54	153.80	33.01	49.25	-128.00	193.10	43
44	216.30	381.70	21.89	44.48	-133.90	175.60	44
45	96.63	79.75	-9.88	28.60	-22.69	111.20	45
46	96.63	102.60	-3.52	38.13	-5.16	105.30	46



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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140  
TCGW 24300 TCGR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
1	-147.40	153.90	56.05	45.58	1
2	-100.10	189.50	44.95	42.66	2
3	-106.00	159.90	65.40	54.94	3
4	-123.80	118.40	64.82	33.31	4
5	-46.78	207.20	57.80	46.17	5
6	-188.90	148.00	59.56	45.59	6
7	-147.40	225.00	77.09	57.27	7
8	-188.90	195.40	41.44	54.35	8
9	-82.31	171.70	51.96	53.18	9
10	-46.78	100.70	56.64	29.80	10
11	-100.10	142.10	65.99	35.65	11
12	-82.28	124.30	63.06	33.90	12
13	-23.09	325.70	73.59	57.27	13
14	-123.80	272.40	50.79	68.38	14
15	-82.31	230.90	69.49	53.18	15
16	-141.50	278.30	65.40	75.97	16
17	-129.70	242.80	61.31	71.88	17
18	-100.10	248.70	64.82	74.22	18
19	-106.00	266.40	69.49	78.90	19
20	-129.70	266.40	67.74	72.47	20
21	-94.16	266.50	68.91	85.33	21
22	-129.70	337.50	73.58	80.65	22
23	-159.30	201.30	63.06	51.43	23
24	-94.16	207.20	67.74	56.10	24
25	-171.10	213.20	67.16	42.66	25
26	-111.90	130.30	67.15	47.34	26
27	-106.00	207.30	81.18	52.01	27
28	-100.10	213.20	78.26	49.09	28
29	-117.80	242.80	70.08	58.44	29
30	-147.40	225.00	74.17	56.69	30
31	-123.80	260.50	73.58	53.77	31
32	-88.25	153.90	63.07	37.40	32
33	-82.31	148.00	62.48	39.16	33
34	-106.00	195.40	68.91	61.95	34
35	-106.00	254.60	89.36	77.73	35
36	-76.38	248.70	77.68	69.55	36
37	-153.40	242.80	75.92	65.46	37
38	-64.56	402.60	70.08	93.51	38
39	-248.10	550.70	64.82	104.60	39
40	-301.40	663.20	26.25	116.30	40
41	-265.90	568.40	45.53	85.33	41
42	-289.50	485.50	55.47	77.73	42
43	-123.80	189.50	64.23	37.40	43
44	-123.80	201.30	68.91	43.25	44
45	-46.78	100.70	54.88	32.73	45
46	-11.25	112.50	47.29	32.14	46



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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141  
TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-228.10	181.00	-112.30	165.10	-116.80	145.30	2
3	-181.40	321.10	-76.91	271.20	-93.50	261.60	3
4	-239.80	204.30	-135.80	188.70	-122.60	162.80	4
5	-222.30	198.50	-118.20	194.60	-105.20	157.00	5
6	-222.30	186.80	-124.10	165.10	-93.53	145.30	6
7	-216.50	169.30	-112.30	153.30	-99.34	127.90	7
8	-216.50	192.70	-106.40	182.80	-99.34	162.80	8
9	-222.30	256.90	-118.20	229.90	-99.34	209.30	9
10	-251.50	262.80	-135.80	224.00	-134.20	209.30	10
11	-210.60	373.70	-88.69	330.20	-87.69	290.70	11
12	-199.00	338.70	-106.40	265.30	-87.69	267.40	12
13	-216.50	321.20	-94.56	265.30	-93.50	238.40	13
14	-263.20	262.80	-130.00	253.50	-128.40	261.60	14
15	-280.70	256.90	-124.10	224.10	-122.60	232.50	15
16	-280.70	268.60	-124.10	247.60	-99.31	244.20	16
17	-204.80	321.10	-100.50	271.20	-128.40	273.30	17
18	-216.50	274.40	-124.10	224.10	-116.80	215.10	18
19	-228.10	321.10	-118.20	265.30	-99.31	267.40	19
20	-251.50	321.10	-124.10	294.80	-116.80	284.90	20
21	-274.80	309.50	-159.40	306.60	-134.20	290.70	21
22	-228.10	332.80	-153.60	336.10	-128.40	308.10	22
23	-251.50	262.80	-124.10	224.10	-105.20	215.10	23
24	-228.10	251.10	-118.20	206.30	-99.34	209.30	24
25	-175.60	233.50	-106.40	241.80	-93.53	215.10	25
26	-199.00	385.30	-47.44	371.40	-87.69	325.60	26
27	-175.60	397.00	-71.00	359.60	-93.50	331.40	27
28	-193.10	332.80	-82.81	336.10	-111.00	348.80	28
29	-257.30	362.00	-94.56	336.10	-93.50	354.60	29
30	-187.30	467.10	-171.20	377.30	-180.70	325.60	30
31	-228.20	286.10	-106.40	241.80	-111.00	232.50	31
32	-239.80	332.80	-94.59	277.10	-105.10	250.00	32
33	-210.60	385.40	-106.40	312.50	-157.50	314.00	33
34	-245.70	338.70	-100.50	294.80	-140.00	261.60	34
35	-175.60	350.30	-53.31	353.80	-128.40	343.00	35
36	-187.30	327.00	-100.50	283.00	-105.10	296.50	36
37	-234.00	291.90	-100.50	247.60	-116.80	250.00	37
38	-298.20	379.50	-153.50	347.80	-105.10	284.90	38
39	-263.20	204.40	-71.00	206.40	-64.47	197.70	39
40	-216.50	251.10	-88.69	235.80	-70.25	215.10	40
41	-309.90	286.10	-135.80	271.20	-134.20	279.10	41
42	-350.80	303.60	-188.90	288.90	-198.20	284.90	42
43	-350.80	315.30	-141.80	288.90	-204.00	279.10	43
44	-234.00	338.70	-135.80	271.20	-87.69	267.40	44
45	-234.00	268.60	-76.91	259.40	-99.31	255.80	45
46	-309.90	286.10	-147.70	271.20	-134.20	267.40	46
47	-269.00	280.30	-88.69	259.40	-110.90	255.80	47
48	-350.80	338.70	-141.80	324.30	-204.00	325.60	48

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141  
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
49	-333.30	321.10	-218.40	306.60	-204.00	279.10	49
50	-222.30	233.60	-106.40	218.10	-116.80	215.10	50
51	-245.70	280.30	-153.50	253.50	-134.20	255.80	51
52	-292.40	315.30	-183.00	330.20	-215.60	302.30	52
53	-286.50	309.50	-188.90	277.10	-198.20	284.90	53
54	-280.70	385.40	-224.30	336.10	-186.50	331.40	54
55	-298.20	379.50	-242.00	342.00	-233.10	343.00	55
56	-274.80	437.90	-212.50	383.30	-198.20	377.90	56
57	-198.90	291.90	-153.50	288.90	-70.25	250.00	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141  
TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	45.40	67.48	-276.60	216.70	283.70	224.50	2
3	20.84	131.90	-257.30	476.70	342.30	468.40	3
4	33.13	39.88	-194.70	173.40	205.70	204.90	4
5	33.13	33.74	-146.50	163.70	176.40	195.20	5
6	31.59	32.21	-185.00	163.70	186.20	185.40	6
7	36.20	39.88	-209.10	178.20	225.20	195.20	7
8	26.99	36.81	-127.30	173.30	142.20	200.00	8
9	50.00	47.54	-189.90	226.30	191.00	297.70	9
10	54.60	46.01	-180.30	255.20	176.40	322.10	10
11	59.20	56.75	-122.50	351.50	161.80	414.80	11
12	51.53	49.08	-83.94	332.30	127.60	380.60	12
13	57.67	52.15	-108.00	337.10	161.80	405.00	13
14	45.40	49.08	-117.70	260.00	152.00	326.90	14
15	45.40	39.88	-112.80	197.40	142.20	248.80	15
16	51.53	52.14	-55.06	207.10	98.31	253.80	16
17	66.87	58.28	-156.20	356.30	181.30	405.00	17
18	56.13	50.61	-136.90	288.90	181.30	346.40	18
19	68.40	50.61	-122.50	293.70	122.70	356.20	19
20	57.67	46.01	-103.20	284.10	98.31	331.80	20
21	57.67	33.74	-93.56	245.60	93.44	258.60	21
22	54.60	39.88	-74.28	264.80	73.91	297.70	22
23	59.20	59.81	-156.20	260.00	191.00	278.10	23
24	57.67	61.35	-185.00	279.30	210.50	307.40	24
25	59.20	72.08	-228.40	313.00	230.10	326.90	25
26	76.07	61.35	-127.30	414.10	156.90	468.40	26
27	62.27	62.88	-108.00	404.50	147.10	458.70	27
28	69.94	61.35	-45.41	341.90	49.53	390.30	28
29	63.80	46.01	-50.22	394.80	34.88	444.00	29
30	73.00	70.55	-79.13	471.90	108.10	497.70	30
31	51.53	49.08	-132.10	274.50	137.30	312.30	31
32	56.13	47.54	-88.75	317.80	83.66	375.70	32
33	66.87	58.28	-127.30	317.80	161.80	395.30	33
34	51.53	46.01	-103.20	341.90	98.28	380.60	34
35	106.70	95.09	-286.20	524.90	269.10	570.90	35
36	66.87	73.62	-165.80	394.80	127.60	439.20	36
37	54.60	67.48	-175.40	317.80	127.60	341.60	37
38	56.13	59.81	-430.70	688.60	420.30	741.70	38
39	40.79	41.41	-16.53	178.20	30.00	185.40	39
40	54.60	49.08	-180.30	207.10	186.20	234.20	40
41	66.87	70.55	-165.80	240.80	215.40	244.00	41
42	65.33	65.95	-6.88	216.70	69.03	244.00	42
43	76.07	70.55	-329.50	366.00	356.90	414.80	43
44	56.13	65.95	-45.41	255.20	54.38	287.90	44
45	37.73	41.41	31.63	187.80	-23.69	200.10	45
46	62.27	65.95	-35.78	207.00	39.75	234.20	46
47	65.34	69.02	-35.78	207.00	-18.78	234.20	47
48	66.87	70.55	-35.78	226.30	49.50	273.30	48



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AIRCRAFT SLP1 FLIGHT 141  
TGGW 24300 TCGG 444 FWD FLIGHT DATE 08/31/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
49	88.34	76.68	-146.50	202.20	152.00	219.60	49
50	33.13	30.67	-93.56	216.70	59.28	244.00	50
51	43.86	29.14	-55.03	264.80	20.25	283.00	51
52	66.87	46.01	-40.59	298.50	10.47	331.80	52
53	56.13	35.27	-50.22	260.00	10.50	283.00	53
54	59.20	44.48	-26.16	370.80	15.34	395.20	54
55	63.80	46.01	-45.41	370.80	25.13	405.00	55
56	63.80	52.14	-6.91	467.10	15.38	473.30	56
57	68.40	112.00	-368.00	385.20	386.20	434.30	57



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141  
TOGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-102.80	457.40	-64.22	654.80	-359.50	172.40	2
3	-205.20	819.30	218.90	1062.00	-388.40	432.10	3
4	-239.30	402.80	-285.40	539.80	-412.60	122.40	4
5	-273.50	355.00	-294.30	460.10	-389.20	110.00	5
6	-225.70	402.80	-294.30	548.60	-379.80	128.70	6
7	-143.80	402.80	-241.20	566.30	-360.30	129.50	7
8	-253.00	320.90	-285.40	451.30	-377.50	117.00	8
9	-382.70	437.00	68.53	699.00	-416.50	262.00	9
10	-403.20	430.10	86.22	716.70	-429.70	273.80	10
11	-512.40	512.10	-135.00	884.90	-458.60	354.10	11
12	-485.10	512.10	15.41	805.20	-414.10	286.20	12
13	-451.00	477.90	103.90	876.00	-425.00	286.20	13
14	-423.70	477.90	6.56	672.50	-354.80	225.40	14
15	-389.60	430.10	139.30	769.80	-305.70	195.00	15
16	-403.20	457.40	-28.84	637.10	-301.00	187.20	16
17	-485.10	484.80	130.50	831.80	-443.70	368.90	17
18	-382.70	437.00	227.80	805.20	-441.40	288.60	18
19	-471.50	498.40	148.20	743.30	-424.20	318.20	19
20	-505.60	491.60	-37.69	645.90	-435.90	311.20	20
21	-519.30	396.00	-90.75	592.90	-474.90	275.30	21
22	-471.50	471.10	-126.10	628.30	-449.20	313.50	22
23	-334.90	416.50	236.70	725.60	-434.40	340.80	23
24	-293.90	402.80	289.70	707.90	-425.00	308.10	24
25	-136.90	396.00	254.30	778.70	-444.50	308.80	25
26	-526.10	553.00	165.80	902.50	-434.40	379.80	26
27	-492.00	559.80	316.30	982.20	-447.60	372.80	27
28	-389.50	594.00	-179.20	1141.00	-445.30	375.10	28
29	-512.40	566.70	33.13	840.60	-358.70	355.60	29
30	-512.40	634.90	-152.70	1168.00	-457.80	362.70	30
31	-416.80	457.40	227.80	787.50	-394.60	297.90	31
32	-464.60	491.60	24.28	778.70	-459.30	294.00	32
33	-369.00	505.20	183.60	814.10	-487.40	333.00	33
34	-478.30	546.20	95.06	778.70	-453.10	306.50	34
35	-375.90	634.90	325.10	991.10	-398.50	421.90	35
36	-457.80	471.10	-64.22	902.50	-417.20	403.20	36
37	-382.70	450.60	307.40	761.00	-431.30	389.20	37
38	-55.00	860.30	417.10	1124.00	-458.60	361.90	38
39	-362.30	430.10	272.00	477.80	-249.60	140.40	39
40	-355.40	464.30	758.70	645.90	-307.30	207.50	40
41	-471.50	512.00	280.90	681.30	-347.80	230.90	41
42	-512.40	539.40	24.28	654.80	-475.80	216.80	42
43	-382.70	641.80	732.20	707.90	-471.80	340.80	43
44	-471.50	539.30	-108.50	769.80	-405.50	237.10	44
45	-464.60	464.30	15.41	433.60	-269.00	191.10	45
46	-464.60	491.60	103.90	699.00	-395.40	220.70	46
47	-444.20	498.40	254.30	778.70	-379.80	230.10	47
48	-526.10	498.40	-90.75	734.40	-475.70	232.40	48

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TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-526.10	471.10	210.10	769.80	-499.90	320.50	49
50	-307.60	389.20	-214.60	522.10	-375.10	141.20	50
51	-410.00	464.30	-285.40	592.90	-414.20	144.30	51
52	-491.90	491.60	-11.13	1044.00	-467.20	227.00	52
53	-478.30	477.90	-365.10	725.60	-470.30	138.00	53
54	-587.50	600.80	-400.50	973.30	-478.10	183.30	54
55	-539.70	621.30	-338.50	999.90	-572.50	196.50	55
56	-567.00	730.50	-347.40	1062.00	-467.90	244.90	56
57	67.91	723.70	254.30	1203.00	-302.60	361.90	57

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TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	6.45	25.21	-262.70	203.70	-208.30	196.30	2
3	4.69	45.73	-194.80	417.10	-208.30	363.10	3
4	20.52	24.04	-320.80	223.10	-267.20	196.30	4
5	17.59	21.11	-320.80	213.40	-257.40	186.40	5
6	17.00	24.04	-267.50	189.10	-242.70	171.70	6
7	15.83	22.87	-243.30	174.60	-223.00	171.70	7
8	17.59	19.93	-286.90	208.50	-252.50	191.30	8
9	31.64	56.29	-311.20	310.40	-296.60	284.60	9
10	29.31	59.80	-320.80	320.10	-326.10	294.40	10
11	38.69	76.22	-422.70	451.00	-537.10	642.80	11
12	40.45	69.77	-330.60	397.70	-326.10	412.20	12
13	38.11	74.46	-325.70	373.40	-335.90	402.40	13
14	37.52	75.05	-306.30	363.80	-345.70	363.10	14
15	39.87	75.05	-282.00	329.80	-311.30	328.80	15
16	44.56	76.22	-277.20	344.30	-213.20	289.50	16
17	51.01	83.84	-330.50	465.60	-335.90	343.50	17
18	35.76	65.08	-311.20	320.10	-331.00	319.00	18
19	38.11	69.77	-442.10	344.30	-429.10	338.60	19
20	47.49	65.08	-388.80	339.50	-419.30	309.10	20
21	43.97	49.84	-621.60	533.50	-649.90	687.00	21
22	46.32	60.39	-713.70	635.30	-669.60	755.70	22
23	24.04	61.56	-311.10	446.20	-350.60	417.10	23
24	26.38	60.39	-345.10	480.20	-389.80	446.50	24
25	16.41	68.01	-427.50	659.60	-463.50	559.40	25
26	39.87	86.77	-519.70	606.30	-640.10	804.70	26
27	49.25	86.78	-650.70	708.10	-630.30	765.50	27
28	38.69	99.67	-345.10	421.90	-257.40	382.80	28
29	46.90	75.05	-369.30	339.50	-350.60	318.90	29
30	28.14	99.67	-480.90	538.30	-419.30	368.00	30
31	32.24	62.74	-359.70	368.60	-355.50	323.80	31
32	37.52	75.05	-364.50	324.90	-375.20	304.20	32
33	24.04	76.81	-704.00	1188.00	-610.70	745.90	33
34	42.80	74.46	-359.70	291.00	-340.80	260.10	34
35	22.24	92.64	-737.90	1436.00	-635.20	839.10	35
36	47.49	85.02	-379.10	591.70	-527.30	554.50	36
37	35.14	68.01	-393.60	509.20	-424.20	480.90	37
38	12.31	96.74	-548.80	654.80	-576.30	593.80	38
39	33.42	66.25	-194.80	339.50	-198.50	304.30	39
40	36.35	73.88	-238.40	373.40	-164.20	338.60	40
41	34.00	80.91	-262.70	358.90	-252.50	348.40	41
42	48.66	76.81	-253.00	378.30	-223.00	328.80	42
43	27.55	96.74	-253.00	417.10	-203.40	377.80	43
44	45.73	78.57	-359.70	436.50	-394.80	441.60	44
45	51.01	65.08	-189.90	344.30	-183.80	299.30	45
46	52.77	73.88	-228.70	383.10	-257.40	363.10	46
47	53.35	81.50	-306.30	402.50	-272.10	368.00	47
48	68.01	79.74	-374.20	373.40	-370.20	358.20	48



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EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	55.70	80.33	-311.10	397.70	-355.50	412.20	49
50	19.35	24.04	-291.80	223.10	-257.40	225.70	50
51	29.31	35.18	-388.80	271.60	-365.30	206.10	51
52	43.38	53.94	-645.80	586.80	-649.90	598.60	52
53	45.73	46.91	-500.30	315.30	-389.90	240.40	53
54	56.87	73.29	-587.60	451.00	-404.60	333.70	54
55	59.22	75.63	-810.70	674.10	-605.80	574.10	55
56	53.94	78.57	-684.60	625.70	-659.80	569.20	56
57	-12.31	40.46	-165.70	494.70	-237.80	451.40	57



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EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-548.20	411.40	-53.09	555.70	-199.10	85.68	2
3	-411.10	795.40	975.50	1537.00	-446.40	662.70	3
4	-637.30	445.70	17.84	555.70	-243.50	86.77	4
5	-637.30	404.50	17.84	555.70	-224.00	82.46	5
6	-555.00	363.40	41.50	508.40	-224.00	80.28	6
7	-520.80	370.30	-17.63	520.20	-224.00	65.09	7
8	-596.20	445.70	41.50	579.30	-239.20	112.80	8
9	-822.50	466.30	195.20	520.20	-243.50	206.10	9
10	-822.50	466.30	230.70	555.70	-251.20	224.50	10
11	-815.60	1077.00	1590.00	2365.00	-234.90	874.20	11
12	-692.20	774.80	1366.00	1856.00	-326.00	631.30	12
13	-747.00	692.50	1318.00	1832.00	-308.70	603.00	13
14	-877.30	754.30	1224.00	1667.00	-318.40	643.20	14
15	-863.60	589.70	490.80	910.30	-275.00	391.60	15
16	-781.30	617.10	65.13	815.80	-129.70	168.10	16
17	-548.20	1563.00	1945.00	2624.00	-348.80	760.30	17
18	-774.50	418.30	-53.06	815.80	-259.80	324.30	18
19	-843.00	486.80	-194.90	1005.00	-342.20	359.00	19
20	-952.80	582.80	632.60	1407.00	-277.20	337.30	20
21	-1035.00	1872.00	2039.00	3310.00	-270.70	838.40	21
22	-760.80	2311.00	2134.00	3475.00	-233.80	875.20	22
23	-699.00	384.00	53.31	969.40	-316.20	437.10	23
24	-712.80	411.40	29.66	1135.00	-323.80	442.50	24
25	-616.80	768.00	147.90	1490.00	-414.90	551.00	25
26	-692.20	2407.00	2075.00	4055.00	-35.31	1074.00	26
27	-616.80	2194.00	1720.00	3322.00	-191.50	917.60	27
28	-1021.00	624.00	53.34	1135.00	-264.20	374.20	28
29	-870.50	500.50	76.97	898.50	-218.60	387.20	29
30	-973.30	1083.00	431.70	1206.00	-279.30	365.50	30
31	-966.40	706.30	100.60	993.10	-322.70	374.20	31
32	-843.00	486.80	218.80	685.70	-241.40	279.90	32
33	-27.09	3401.00	1555.00	4504.00	-111.30	997.80	33
34	-849.90	466.30	6.03	922.20	-254.40	251.70	34
35	-520.80	3305.00			-167.60	941.40	35
36	-808.80	1193.00	691.80	2270.00	-417.10	596.50	36
37	-911.60	582.80	360.70	1442.00	-382.40	475.10	37
38	-815.60	1282.00	762.70	2861.00	-475.70	527.10	38
39	-637.30	432.00	-5.78	839.40	-96.05	216.90	39
40	-774.50	555.40	230.70	910.30	-117.70	247.30	40
41	-726.50	603.40	136.10	934.00	-228.40	277.70	41
42	-651.00	555.40	76.97	874.80	-284.80	288.50	42
43	-644.20	672.00	76.97	922.20	-387.80	452.30	43
44	-788.20	870.80	1307.00	2033.00	-259.80	673.50	44
45	-781.30	507.40	195.20	851.20	-123.20	189.80	45
46	-671.60	671.90	159.70	910.30	-185.00	303.70	46
47	-664.80	610.30	-29.44	910.30	-190.40	300.50	47
48	-904.80	630.80	478.90	1088.00	-464.80	600.90	48

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TGGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-767.60	644.50	100.60	827.60	-373.70	436.00	49
50	-630.50	521.10	-171.30	673.90	-229.50	166.00	50
51	-849.90	562.30	-53.06	792.10	-275.00	159.40	51
52	-1014.00	1632.00	1448.00	2837.00	-332.50	776.60	52
53	-952.80	637.70	266.10	1088.00	-272.80	170.30	53
54	-1049.00	898.30	656.30	1832.00	-475.70	392.60	54
55	-1083.00	1426.00	1366.00	2518.00	-417.10	692.00	55
56	-1001.00	1481.00	1354.00	2719.00	-449.60	659.40	56
57	-507.10	713.10	207.00	1218.00	-226.20	466.40	57

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TGW 24300 TOCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-102.80	165.20	10.77	33.36	-145.60	140.50	2
3	-205.30	427.30	60.02	114.40	-215.80	421.30	3
4	-114.20	199.40	21.89	38.13	-104.60	239.90	4
5	-119.90	182.30	17.13	30.18	-163.20	169.70	5
6	-97.09	159.50	12.36	28.59	-51.94	222.40	6
7	-102.80	142.40	12.36	28.59	-145.60	128.70	7
8	-137.00	199.40	21.89	41.30	-151.40	181.40	8
9	-125.60	245.00	13.95	90.55	-204.10	234.10	9
10	-119.90	239.30	9.18	92.14	-210.00	228.20	10
11	-268.00	900.20	33.01	170.00	-210.00	637.80	11
12	-142.70	512.80	18.71	149.30	-110.50	374.50	12
13	-114.20	484.30	2.83	130.30	-139.80	368.70	13
14	-102.80	507.10	17.13	125.50	-128.00	427.20	14
15	-85.69	319.10	47.31	120.70	-221.70	333.60	15
16	-62.91	273.50	33.01	71.49	-209.90	286.80	16
17	-307.90	848.90	33.01	147.70	-280.20	719.80	17
18	-102.80	256.40	23.48	93.73	-198.30	228.30	18
19	-108.50	296.30	42.54	119.10	-215.80	269.20	19
20	-148.40	313.40	53.66	114.40	-204.10	339.40	20
21	-233.80	1117.00	52.07	201.80	-303.60	626.20	21
22	-353.50	1236.00	75.89	235.10	-303.60	708.10	22
23	-108.50	284.90	9.18	117.60	-209.90	333.60	23
24	-137.00	256.40	4.42	138.20	-180.70	339.40	24
25	-211.00	341.80	17.13	128.70	-286.00	397.90	25
26	-256.60	1276.00	20.25	281.20	-215.80	667.10	26
27	-216.80	1100.00	2.80	257.30	-315.30	731.50	27
28	-102.80	347.50	42.54	128.70	-163.20	321.80	28
29	-85.69	341.90	72.73	111.20	-227.50	269.20	29
30	-131.30	341.80	25.07	139.80	-368.00	433.00	30
31	-148.40	358.90	20.30	150.90	-239.20	339.40	31
32	-137.00	267.80	29.83	84.20	-204.10	280.90	32
33	-473.10	1481.00	48.88	325.70	-245.10	766.60	33
34	-85.69	273.50	48.90	103.30	-180.70	245.80	34
35	-382.00	1128.00	99.72	325.70	-490.80	953.80	35
36	-245.20	490.00	48.90	176.30	-245.10	427.20	36
37	-142.70	353.30	39.37	135.00	-174.90	333.60	37
38	-285.10	507.10	25.07	130.30	-332.80	409.70	38
39	-5.91	205.10	13.95	55.60	-128.00	228.20	39
40	-91.38	245.00	17.13	74.66	-145.60	292.60	40
41	-125.60	267.80	17.13	90.55	-174.80	310.20	41
42	-85.69	284.90	17.13	71.49	-169.00	327.70	42
43	-102.80	279.20	37.78	82.61	-110.50	304.30	43
44	-142.70	660.90	-5.11	163.60	-128.00	520.80	44
45	-102.80	279.20	20.30	65.13	-145.60	269.20	45
46	-119.90	296.30	31.42	82.61	-139.70	321.80	46
47	-97.09	273.50	34.60	82.61	-186.50	310.20	47
48	-159.80	393.10	28.25	108.00	-87.09	339.40	48

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EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-114.20	324.80	36.19	90.55	-233.40	333.60	49
50	-142.70	250.70	29.84	55.60	-157.30	222.40	50
51	-148.40	313.40	42.54	49.25	-210.00	275.00	51
52	-262.30	1031.00	91.79	158.90	-420.60	696.40	52
53	-182.50	381.70	44.13	50.84	-250.90	339.40	53
54	-119.90	455.80	64.79	74.66	-274.30	491.60	54
55	-285.10	997.10	99.71	182.70	-379.70	702.20	55
56	-199.70	831.80	94.97	111.20	-280.20	555.90	56
57	-119.90	353.30	7.59	116.00	-110.50	316.00	57



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AIRCRAFT SLP1 FLIGHT 141  
TSGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-147.40	165.80	33.26	43.83	2
3	-325.10	544.80	65.40	87.66	3
4	-165.20	207.30	35.01	42.08	4
5	-165.20	207.30	32.68	38.57	5
6	-147.40	177.60	35.60	36.82	6
7	-141.50	159.90	39.10	35.65	7
8	-129.70	219.10	33.85	39.74	8
9	-153.40	207.30	40.86	42.08	9
10	-153.40	230.90	43.78	42.66	10
11	-58.63	527.00	45.53	99.35	11
12	-52.72	604.00	62.48	78.90	12
13	-11.28	574.30	58.39	81.82	13
14	-88.25	615.80	46.70	84.16	14
15	-106.00	337.50	48.45	64.87	15
16	-135.60	307.90	30.92	32.14	16
17	-301.40	852.70	56.05	105.20	17
18	-177.10	266.40	39.69	36.23	18
19	-165.20	313.80	46.70	60.78	19
20	-52.72	390.80	36.77	62.53	20
21	-183.00	698.70	37.35	142.60	21
22	-70.50	882.30	36.18	167.10	22
23	-129.70	313.80	26.25	67.21	23
24	-194.80	367.10	33.26	68.38	24
25	-265.90	473.70	35.60	99.94	25
26	-106.00	728.30	40.86	161.30	26
27	-100.10	817.10	33.26	157.20	27
28	-52.69	378.90	37.94	67.21	28
29	-147.40	296.10	44.36	61.95	29
30	-82.31	420.40	44.37	75.97	30
31	-129.70	313.80	43.78	61.37	31
32	-129.70	325.70	23.32	53.77	32
33	-123.80	1255.00	24.49	209.20	33
34	-171.10	296.10	35.01	58.44	34
35	-396.20	1279.00	72.41	157.80	35
36	-200.80	562.50	56.64	104.60	36
37	-206.70	402.70	42.61	78.90	37
38	-200.80	586.20	39.69	106.40	38
39	-94.14	242.80	22.16	31.56	39
40	-88.25	272.40	26.83	42.08	40
41	-147.40	296.10	16.90	41.49	41
42	-94.16	290.20	14.56	39.16	42
43	-64.56	272.40	14.56	43.83	43
44	-64.56	722.40	32.09	68.38	44
45	-106.00	254.60	8.71	32.14	45
46	-129.70	313.80	6.38	40.33	46
47	-123.80	296.10	7.55	42.66	47
48	-159.30	343.40	5.79	77.14	48

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EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
49	-141.50	337.50	19.82	50.26	49
50	-123.80	236.80	4.62	49.09	50
51	-147.40	307.90	4.62	50.26	51
52	-313.30	817.10	13.97	130.90	52
53	-194.80	343.40	-2.97	60.20	53
54	-248.10	467.80	31.51	71.30	54
55	-437.60	728.30	22.74	123.30	55
56	-224.40	586.20	33.26	125.70	56
57	-165.20	313.80	9.30	92.34	57

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AIRCRAFT SLP1 FLIGHT 142  
TGW 24300 TCCR 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-226.30	216.10	-148.10	206.80	-117.30	191.80	2
3	-185.40	175.20	-106.80	165.40	-76.66	151.20	3
4	-197.10	186.90	-118.60	177.20	-82.47	133.70	4
5	-197.10	186.90	-118.60	200.80	-76.66	174.40	5
6	-208.80	198.60	-112.70	194.90	-94.09	157.00	6
7	-220.50	221.90	-124.50	206.80	-99.91	186.00	7
8	-243.80	245.30	-148.10	218.60	-105.70	203.50	8
9	-238.00	251.10	-148.10	230.40	-129.00	238.30	9
10	-243.80	280.30	-165.80	248.10	-140.60	250.00	10
11	-278.90	315.40	-207.20	265.80	-175.50	273.30	11
12	-290.60	373.80	-248.50	342.60	-198.80	331.40	12
13	-284.70	403.00	-254.40	348.50	-210.40	354.60	13
14	-313.90	420.50	-224.90	366.20	-198.70	354.70	14
15	-284.70	414.70	-266.30	383.90	-181.30	372.10	15
16	-208.80	221.90	-136.30	194.90	-111.50	186.00	16
17	-156.30	181.10	-112.70	159.50	-94.09	145.30	17
18	-185.40	198.60	-136.30	171.30	-88.28	162.80	18
19	-232.20	303.70	-154.00	283.50	-128.90	296.50	19
20	-273.10	286.20	-213.10	283.50	-163.90	284.90	20
21	-220.50	233.60	-124.50	206.80	-111.50	197.70	21
22	-226.30	239.50	-148.10	218.60	-123.20	220.90	22
23	-226.30	262.80	-159.90	242.20	-123.20	232.50	23
24	-249.70	286.20	-165.80	248.10	-134.80	255.80	24
25	-226.30	297.80	-159.90	265.80	-134.80	267.40	25
26	-243.90	315.40	-171.80	265.80	-123.20	267.40	26
27	-302.30	327.10	-248.50	342.60	-216.20	313.90	27
28	-255.50	338.70	-230.80	348.50	-163.80	319.80	28
29	-313.90	362.10	-207.20	360.30	-181.30	348.80	29
30	-243.80	350.40	-177.70	342.60	-140.60	331.40	30
31	-243.90	408.80	-201.30	366.20	-227.80	313.90	31
32	-278.90	373.80	-201.30	319.00	-123.10	302.30	32
33	-226.30	391.30	-189.50	378.00	-134.80	325.60	33
34	-243.90	315.40	-201.30	283.50	-169.70	290.70	34
35	-255.50	303.70	-195.40	265.80	-163.80	261.60	35
36	-331.50	332.90	-254.40	336.70	-210.40	343.00	36
37	-243.80	338.70	-177.70	330.80	-123.10	302.30	37
38	-208.80	537.30	-71.31	555.30	-24.31	598.80	38
39	-238.00	414.70	-130.40	413.50	-175.50	377.90	39
40	-284.70	426.30	-177.70	366.20	-204.50	360.50	40
41	-249.70	519.80	-171.70	454.80	-187.10	412.80	41
42	-238.00	262.80	-154.00	248.10	-123.20	220.90	42
43	-214.70	274.50	-118.60	271.70	-105.70	250.00	43
44	-249.70	379.60	-130.40	342.60	-123.10	290.70	44
45	-208.80	315.40	-171.80	289.40	-181.30	255.80	45
46	-284.80	274.50	-183.60	254.00	-187.10	226.70	46
47	-127.10	385.40	-106.80	307.20	-88.25	279.10	47
48	-150.40	198.60	-100.80	171.30	-99.91	162.80	48



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EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
49	-203.00	227.80	-165.80	212.70	-82.47	191.80	49
50	-243.80	280.30	-154.00	236.30	-152.20	226.70	50
51	-261.40	286.20	-171.80	254.00	-163.80	261.60	51
52	-267.20	292.00	-136.30	230.40	-152.20	250.00	52
53	-238.00	204.40	-100.80	194.90	-82.47	191.80	53
54	-290.60	268.70	-183.60	277.60	-163.80	250.00	54
55	-208.80	221.90	-118.60	224.50	-123.20	197.70	55
56	-267.20	292.00	-201.30	236.30	-158.00	232.50	56
57	-302.30	268.60	-260.30	236.30	-239.40	220.90	57
58	-255.50	280.30	-148.10	218.60	-123.20	197.70	58
59	-208.80	257.00	-159.90	206.80	-65.00	232.60	59
60	-255.50	362.10	-94.97	283.50	-111.50	302.30	60
61	-238.00	332.90	-154.00	283.50	-146.40	302.30	61
62	-261.40	438.00	-230.80	372.10	-210.30	377.90	62
63	-313.90	350.40	-195.40	324.90	-198.80	319.80	63
64	-360.70	408.80	-195.40	419.40	-210.30	377.90	64
65	-378.20	344.60	-278.10	313.10	-222.00	296.50	65
66	-372.30	315.40	-236.70	307.20	-204.60	290.70	66
67	-226.30	227.80	-124.50	206.80	-111.50	186.00	67
68	-220.50	233.60	-148.10	230.40	-129.00	203.50	68
69	-278.90	315.40	-213.10	271.70	-175.50	250.00	69
70	-243.80	280.30	-165.80	248.10	-175.50	250.00	70
71	-249.70	297.90	-183.60	265.80	-146.40	255.80	71
72	-267.20	315.40	-207.20	277.60	-175.50	273.30	72
73	-255.50	362.10	-201.30	330.80	-163.80	331.40	73
74	-308.10	367.90	-254.40	324.90	-216.20	325.60	74
76	-278.90	362.10	-248.50	319.00	-222.00	319.80	76
77	-354.80	367.90	-254.40	383.90	-245.30	366.30	77
78	-156.30	309.50	-177.70	307.20	-65.00	290.70	78



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TGGW 24300 TDCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	36.24	58.35	-225.60	207.60	155.80	234.10	2
3	53.13	50.67	-148.30	197.90	194.80	253.60	3
4	42.38	49.14	-215.90	255.80	268.00	317.00	4
5	48.53	64.49	-269.00	299.30	321.70	360.90	5
6	48.53	46.07	-138.60	188.30	180.20	239.00	6
7	33.17	30.71	-114.50	202.80	141.20	239.00	7
8	43.92	35.32	-90.41	217.20	107.10	243.90	8
9	40.85	29.18	-80.75	226.90	92.41	248.70	9
10	51.60	27.64	-75.91	260.70	77.81	273.10	10
11	54.67	27.64	-42.09	294.50	48.53	312.20	11
12	57.74	43.00	-37.28	376.50	43.63	404.80	12
13	62.35	47.60	-13.16	420.00	38.75	438.90	13
14	63.88	46.07	-13.16	439.30	14.38	453.60	14
15	62.35	50.67	1.34	444.10	24.16	463.30	15
16	45.46	33.78	-109.70	178.60	87.53	214.60	16
17	48.53	49.14	-201.40	231.70	199.70	239.00	17
18	48.53	61.42	-254.50	284.80	277.80	278.00	18
19	56.20	29.18	-56.59	241.30	53.38	268.30	19
20	62.35	32.25	-56.59	241.30	68.03	243.80	20
21	37.78	32.25	-85.56	212.40	87.53	243.80	21
22	45.46	33.78	-75.91	212.40	77.78	243.80	22
23	34.71	29.18	-75.91	231.70	72.91	248.70	23
24	34.71	29.18	-71.06	265.50	58.25	273.10	24
25	37.78	32.25	-61.41	275.20	43.63	287.80	25
26	40.85	35.32	-37.25	289.60	38.75	292.60	26
27	62.35	44.53	-32.44	304.10	24.13	317.00	27
28	60.81	39.92	-32.47	323.40	29.03	341.40	28
29	48.53	39.92	-42.13	333.10	24.16	336.50	29
30	48.53	42.99	-17.97	347.50	19.28	351.20	30
31	56.21	50.67	-66.25	328.30	53.41	365.80	31
32	54.67	39.93	-42.09	313.80	-24.66	346.30	32
33	68.49	50.67	-66.25	395.80	107.10	438.90	33
34	53.13	29.18	-22.81	313.80	33.91	336.50	34
35	48.53	33.78	-71.06	275.10	53.41	297.50	35
36	70.02	49.14	-66.25	308.90	63.16	336.50	36
37	45.46	49.14	-27.63	328.30	53.41	356.00	37
38	71.56	56.82	-259.30	743.40	229.00	814.50	38
39	65.42	53.74	-37.28	415.20	33.88	434.10	39
40	57.74	49.14	-80.72	429.60	72.91	453.60	40
41	71.56	78.31	-3.50	477.90	-5.13	541.40	41
42	51.60	55.28	-119.30	236.50	131.40	268.30	42
43	59.27	59.89	-22.78	236.50	170.40	268.30	43
44	63.88	70.63	-95.22	299.30	102.20	326.80	44
45	71.56	69.10	-186.90	275.20	194.80	312.20	45
46	56.20	56.82	-133.80	251.00	141.20	287.80	46
47	51.60	58.35	-133.80	424.80	121.70	443.80	47
48	66.95	79.85	-307.60	280.00	326.50	297.50	48

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EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
49	57.74	61.42	-317.30	328.30	341.20	370.70	49
50	56.20	41.46	-80.72	246.20	87.53	243.80	50
51	57.74	55.28	-42.13	246.20	63.16	239.00	51
52	53.13	50.67	-37.28	212.40	58.28	224.30	52
53	53.13	66.03	-66.25	231.70	77.78	234.10	53
54	63.88	61.42	-124.20	251.00	131.40	248.80	54
55	45.45	46.07	-341.40	236.50	365.60	268.30	55
56	66.95	67.56	-230.40	251.00	258.30	258.50	56
57	53.13	66.03	-129.00	217.20	185.10	243.80	57
58	74.63	72.17	-346.20	337.90	385.00	346.30	58
59	51.60	70.64	-191.80	270.30	224.10	321.90	59
60	54.67	55.28	39.97	299.30	9.50	312.10	60
61	74.63	69.10	35.13	226.90	131.40	229.30	61
62	77.70	78.31	-90.38	294.40	97.28	312.20	62
63	89.99	62.96	30.28	280.00	-44.13	297.50	63
64	86.91	75.24	-153.10	395.80	160.70	375.60	64
65	86.92	78.31	64.09	236.50	321.70	243.80	65
66	73.09	58.35	-167.60	217.20	136.30	234.10	66
67	46.99	35.32	-124.20	212.40	126.60	253.60	67
68	40.85	32.25	-153.10	231.70	146.10	263.40	68
69	79.24	67.56	-211.00	260.70	209.50	307.30	69
70	51.60	30.71	-109.70	246.20	111.90	268.30	70
71	53.13	32.25	-114.50	280.00	107.10	302.40	71
72	46.99	29.18	-124.20	280.00	121.70	297.50	72
73	65.42	35.32	-143.50	289.60	121.70	326.80	73
74	62.35	44.53	-46.94	366.90	48.53	390.20	74
76	62.35	44.53	-61.41	342.70	38.78	370.70	76
77	77.70	47.60	-90.38	313.80	63.16	336.50	77
78	23.96	165.80	-360.70	477.90	419.20	497.50	78

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AIRCRAFT SLP1 FLIGHT 142  
TGGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-128.60	471.10	-183.70	707.20	-298.10	168.60	2
3	-135.40	395.90	-227.90	627.70	-298.90	158.50	3
4	-87.59	457.40	-15.72	786.80	-344.10	191.30	4
5	-73.94	457.40	293.70	848.70	-327.70	268.60	5
6	-183.20	375.50	-289.80	601.10	-326.20	142.10	6
7	-306.10	389.10	-245.60	556.90	-366.80	162.40	7
8	-347.00	416.40	-289.80	530.40	-351.90	138.20	8
9	-401.60	416.40	-342.80	565.80	-371.50	143.70	9
10	-428.90	443.80	-413.50	636.50	-367.60	141.30	10
11	-476.80	477.90	-404.70	716.10	-408.20	139.70	11
12	-586.00	628.10	-395.90	937.10	-403.50	185.00	12
13	-626.90	669.00	-466.60	1008.00	-393.30	215.50	13
14	-626.90	682.70	-413.50	1043.00	-419.80	224.80	14
15	-640.60	682.70	-395.80	1132.00	-470.60	222.50	15
16	-278.80	334.50	-289.80	477.40	-361.30	133.50	16
17	-114.90	389.20	-130.60	601.10	-359.00	203.00	17
18	-19.34	430.10	214.10	804.40	-319.20	264.70	18
19	-476.80	450.60	-431.20	583.30	-420.60	169.40	19
20	-476.70	496.90	-395.90	618.80	-444.90	157.70	20
21	-306.00	402.80	-307.40	512.80	-337.10	153.00	21
22	-360.70	416.40	-360.50	512.80	-361.30	135.10	22
23	-388.00	430.10	-422.40	556.90	-357.40	139.00	23
24	-408.50	436.90	-493.10	592.30	-376.10	137.40	24
25	-422.10	464.20	-510.80	592.30	-368.30	143.70	25
26	-435.80	477.90	-537.30	636.50	-341.00	141.30	26
27	-545.00	518.80	-369.30	751.40	-510.40	221.70	27
28	-490.40	518.80	-342.80	742.60	-497.90	220.10	28
29	-565.50	553.00	-298.60	822.20	-477.60	232.60	29
30	-504.10	532.50	-307.40	742.60	-490.10	215.40	30
31	-463.10	641.70	-183.70	919.40	-422.20	250.60	31
32	-456.30	539.30	-422.40	822.10	-358.20	317.70	32
33	-510.90	662.20	-95.28	1061.00	-423.00	229.50	33
34	-449.40	464.20	-440.10	751.40	-355.80	160.80	34
35	-428.90	525.70	-192.50	716.10	-349.60	131.20	35
36	-401.60	539.30	-395.90	795.60	-554.20	223.30	36
37	-551.80	539.30	-395.90	795.60	-309.80	178.80	37
38	-647.40	962.60	364.40	1733.00	-423.70	367.70	38
39	-524.50	962.60	-669.90	1423.00	-425.30	267.80	39
40	-572.30	669.00	-413.50	1008.00	-376.90	402.10	40
41	-702.00	867.00	-104.10	1335.00	-468.20	323.20	41
42	-299.20	464.20	-183.70	689.60	-430.00	208.40	42
43	-319.70	525.70	-219.10	654.20	-444.00	192.80	43
44	-381.20	518.80	-86.44	733.80	-488.50	302.90	44
45	-244.60	505.20	116.90	742.60	-532.30	245.10	45
46	-278.80	525.70	-280.90	751.40	-405.00	200.70	46
47	-394.80	518.80	-95.28	813.30	-505.70	285.70	47
48	-12.50	505.20	99.19	813.30	-379.30	270.10	48



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EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
49	-73.94	525.70	169.90	972.40	-385.50	262.30	49
50	-415.30	430.10	-440.00	610.00	-341.80	196.80	50
51	-463.10	464.20	-413.50	636.50	-403.50	211.60	51
52	-394.80	395.90	-325.10	689.60	-353.50	269.30	52
53	-210.50	553.00	-51.06	521.60	-206.70	174.10	53
54	-135.40	655.40	46.16	654.20	-394.10	222.50	54
55	42.09	546.20	143.40	716.00	-259.80	194.40	55
56	-292.40	621.20	-148.30	742.60	-466.70	248.30	56
57	-299.30	559.80	-51.06	574.60	-433.10	317.70	57
58	-142.20	730.50	-280.90	751.40	-451.90	242.80	58
59	-258.30	573.50	276.00	795.60	-305.90	268.60	59
60	-517.70	573.40	-510.80	857.50	-221.60	240.40	60
61	-271.90	587.10	134.60	618.80	-391.70	235.80	61
62	-749.80	600.80	-245.60	822.10	-445.60	274.00	62
63	-545.00	546.10	-325.10	972.40	-366.00	289.60	63
64	-852.20	580.30	72.69	875.20	-403.40	388.00	64
65	-340.20	546.10	55.00	910.60	-417.50	288.10	65
66	-586.00	518.80	-280.90	663.00	-488.60	224.80	66
67	-244.60	409.60	-289.80	548.10	-374.60	157.70	67
68	-285.60	409.60	-316.30	556.90	-416.80	146.80	68
69	-347.00	553.00	-51.09	751.40	-529.90	261.50	69
70	-442.60	471.00	-351.70	663.00	-390.20	154.60	70
71	-449.40	477.90	-387.00	645.30	-417.50	152.20	71
72	-483.60	525.70	-369.30	663.00	-419.90	151.40	72
73	-572.30	559.80	-404.70	663.00	-499.50	229.50	73
74	-551.80	593.90	-422.40	875.20	-446.40	179.50	74
76	-586.00	587.10	-360.50	866.30	-446.40	162.40	76
77	-551.80	553.00	1.94	875.20	-590.00	201.40	77
78	-169.50	703.20	302.50	1335.00	-323.00	468.40	78



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TSGW 24300 TBCR 4.4 FWD FLIGHT DATE 09/01/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	11.55	25.77	-315.30	228.30	-250.20	220.80	2
3	8.03	25.77	-227.80	257.50	-156.90	206.10	3
4	.42	31.04	-227.80	257.50	-147.10	206.10	4
5	-1.34	32.80	-218.10	218.60	-176.50	196.30	5
6	12.13	24.01	-232.70	233.20	-186.30	215.90	6
7	12.13	21.67	-266.70	238.00	-210.90	220.80	7
8	17.40	24.60	-300.70	262.30	-255.10	245.40	8
9	26.19	31.04	-354.10	267.20	-299.30	250.30	9
10	32.04	35.72	-397.80	272.00	-348.30	240.40	10
11	38.49	45.68	-431.80	306.00	-397.40	230.60	11
12	51.37	66.77	-674.80	519.80	-613.30	534.80	12
13	55.47	74.38	-689.30	534.30	-642.70	554.50	13
14	57.81	76.72	-752.50	616.90	-716.30	569.20	14
15	64.24	92.54	-655.30	568.30	-578.90	588.80	15
16	16.82	21.67	-329.80	233.20	-284.50	196.30	16
17	7.45	21.67	-232.70	194.30	-196.20	166.80	17
18	-4.27	25.18	-203.60	194.30	-176.50	166.80	18
19	29.71	28.70	-533.90	378.90	-421.90	353.30	19
20	35.56	31.04	-587.30	461.50	-456.30	466.20	20
21	17.40	23.43	-276.40	247.70	-225.60	235.60	21
22	20.92	25.77	-339.60	272.00	-264.90	245.30	22
23	25.02	25.18	-373.60	286.60	-289.40	250.30	23
24	26.19	25.18	-383.30	276.90	-294.30	235.50	24
25	25.02	27.53	-417.30	291.50	-289.40	230.60	25
26	23.85	28.70	-441.60	306.00	-323.80	215.90	26
27	46.10	49.78	-796.20	553.80	-564.20	623.20	27
28	43.17	50.37	-669.90	495.50	-534.80	544.70	28
29	53.71	57.39	-440.80	505.20	-554.40	554.50	29
30	43.76	54.47	-728.20	524.60	-623.10	613.40	30
31	37.90	57.98	-451.30	432.30	-299.20	309.20	31
32	35.56	53.29	-427.00	330.30	-328.70	279.70	32
33	32.05	83.75	-407.60	485.80	-279.60	368.00	33
34	43.76	52.12	-417.30	320.60	-353.20	265.00	34
35	36.14	42.17	-465.80	301.20	-367.90	201.20	35
36	43.76	54.47	-844.80	592.60	-731.10	691.90	36
37	37.90	56.81	-592.20	476.00	-461.20	500.50	37
38	60.14	113.00	-742.80	704.40	-534.80	613.40	38
39	68.94	77.31	-616.50	461.50	-407.20	318.90	39
40	46.10	75.55	-635.90	422.60	-485.70	309.10	40
41	88.84	107.80	-475.60	505.20	-304.10	363.10	41
42	23.26	33.97	-305.60	315.80	-250.20	299.30	42
43	36.14	33.97	-621.30	349.20	-613.30	436.70	43
44	23.26	41.00	-864.20	1030.00	-785.00	755.70	44
45	11.55	39.82	-1049.00	1078.00	-726.20	677.20	45
46	13.89	35.14	-485.30	310.90	-490.60	372.90	46
47	15.04	43.34	-504.70	310.90	-421.90	343.50	47
48	3.94	36.90	-441.60	616.90	-471.00	559.40	48

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EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
49	1.01	39.83	-548.40	694.60	-475.90	603.60	49
50	39.66	38.65	-393.00	315.80	-309.10	279.70	50
51	38.49	45.68	-412.40	374.00	-313.90	363.10	51
52	38.49	49.20	-422.20	461.50	-284.50	392.60	52
53	18.57	42.17	-184.10	417.80	-137.30	382.80	53
54	23.85	46.27	-227.80	510.00	-176.60	480.90	54
55	10.96	36.90	-218.10	500.30	-156.90	451.40	55
56	20.92	49.20	-286.10	451.80	-260.00	417.10	56
57	23.26	39.82	-223.00	476.00	-93.16	436.70	57
58	15.04	45.68	-354.10	510.10	-284.50	539.80	58
59	10.38	39.83	-213.30	534.30	-161.80	476.00	59
60	60.16	91.95	-300.70	446.90	-220.70	358.20	60
61	68.94	59.74	-286.10	432.30	-333.60	402.40	61
62	64.84	74.38	-402.70	461.50	-407.20	446.60	62
63	63.09	83.16	-431.90	422.60	-392.40	422.00	63
64	50.20	69.11	-543.60	524.60	-520.00	569.20	64
65	66.01	59.15	-660.20	524.60	-652.50	495.60	65
66	34.97	51.54	-354.10	432.30	-289.40	426.90	66
67	16.23	24.60	-261.80	252.60	-201.10	240.40	67
68	13.89	24.60	-300.70	252.60	-220.70	240.50	68
69	13.89	33.97	-898.20	966.70	-672.20	721.30	69
70	27.34	38.07	-402.70	286.60	-338.50	250.30	70
71	33.22	35.72	-436.70	291.50	-333.60	235.50	71
72	33.22	39.24	-499.90	354.60	-412.10	323.80	72
73	33.22	41.58	-689.30	553.80	-588.70	667.30	73
74	54.89	60.91	-645.60	529.50	-603.50	515.20	74
76	50.79	60.32	-645.60	519.80	-578.90	490.70	76
77	48.44	54.47	-737.90	621.80	-554.40	544.70	77
78	2.74	59.15	-135.60	505.20	-166.80	480.90	78

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TORGW 24300 TORG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-615.30	534.80	-61.47	615.20	-240.20	122.50	2
3	-519.30	480.00	56.81	638.90	-168.70	92.14	3
4	-443.80	459.40	80.50	567.90	-191.40	123.60	4
5	-382.10	356.60	257.90	721.70	-188.20	204.90	5
6	-464.40	452.50	80.50	615.20	-187.10	121.40	6
7	-546.70	493.70	9.50	638.90	-257.50	139.80	7
8	-594.70	569.10	-26.00	721.70	-285.70	170.20	8
9	-690.70	541.70	-14.16	709.80	-230.50	147.40	9
10	-779.80	534.80	-120.60	721.70	-232.60	140.90	10
11	-862.10	603.40	151.50	851.80	-256.50	173.40	11
12	-1178.00	1138.00	1157.00	2496.00	-434.20	659.00	12
13	-1082.00	1125.00	1039.00	2473.00	-462.40	630.80	13
14	-855.30	1200.00	1169.00	2674.00	-431.00	662.20	14
15	-999.30	1207.00	1122.00	2745.00	-434.20	659.00	15
16	-594.70	418.30	92.34	698.00	-277.10	163.70	16
17	-443.80	377.10	68.66	485.10	-237.00	132.20	17
18	-354.70	356.50	-26.00	390.40	-197.90	132.20	18
19	-1150.00	932.50	1062.00	1715.00	-352.90	556.00	19
20	-1376.00	1173.00	1157.00	2023.00	-344.30	748.90	20
21	-512.40	486.80	9.50	686.20	-246.70	135.50	21
22	-608.40	514.30	-37.81	709.90	-242.40	124.70	22
23	-656.40	562.30	-73.31	721.70	-222.90	137.70	23
24	-683.80	548.50	-156.10	709.90	-194.70	135.50	24
25	-704.40	569.10	-168.00	745.30	-216.40	139.80	25
26	-731.80	582.80	-262.60	816.30	-284.60	166.90	26
27	-1280.00	1845.00	2021.00	3549.00	-171.90	921.30	27
28	-1397.00	1454.00	1417.00	2662.00	-300.90	792.30	28
29	-1232.00	1591.00	1748.00	2851.00	-219.60	873.60	29
30	-1136.00	2043.00	1524.00	3525.00	-154.60	938.60	30
31	-683.80	891.40	258.00	1053.00	-232.60	190.80	31
32	-875.80	685.70	494.60	1384.00	-254.30	301.30	32
33	-916.90	822.80	104.20	1065.00	-349.70	375.00	33
34	-786.70	582.80	246.10	828.20	-231.50	165.80	34
35	-923.80	651.40	-333.60	982.00	-217.40	240.60	35
36	-958.10	1961.00	1536.00	3537.00	-233.70	859.50	36
37	-1013.00	740.50	920.50	1621.00	-261.90	586.30	37
38	-1466.00	1673.00	2021.00	2910.00	-321.50	771.70	38
39	-1136.00	1070.00	577.40	1846.00	-396.30	421.60	39
40	-827.80	953.10	246.10	2153.00	-307.40	506.20	40
41	-718.10	1022.00	778.50	1999.00	-183.80	499.70	41
42	-560.40	617.10	127.80	970.10	-335.60	317.60	42
43	-992.40	898.30	683.90	2047.00	-506.80	566.90	43
44	-889.60	2564.00	1535.00	3088.00	-398.50	694.70	44
45	-1280.00	2160.00	1263.00	3620.00	-420.10	673.10	45
46	-670.10	850.20	849.50	1763.00	-555.60	537.60	46
47	-869.00	761.10	766.70	1491.00	-442.90	539.80	47
48	-642.70	836.50	-203.40	1372.00	-379.00	534.40	48



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TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
49	-834.70	959.90	21.34	1290.00	-361.60	525.70	49
50	-745.50	486.80	-108.80	638.90	-191.40	132.20	50
51	-807.30	562.30	-61.47	662.50	-234.80	221.10	51
52	-869.00	637.70	-144.30	769.00	-173.00	261.20	52
53	-478.20	672.00	-203.40	970.10	-46.19	197.30	53
54	-498.70	733.70	411.80	922.80	-244.60	354.40	54
55	-450.70	644.50	104.20	970.20	-218.50	384.80	55
56	-389.00	774.80	-61.47	993.80	-251.00	282.90	56
57	-478.10	713.10	-61.47	1065.00	-270.60	332.80	57
58	-347.80	637.70	-333.60	1053.00	-267.30	396.70	58
59	-457.60	747.40	707.50	1810.00	-415.80	627.60	59
60	-670.10	781.70	-73.31	1219.00	-15.88	279.60	60
61	-635.80	761.10	-357.30	1100.00	-194.70	306.70	61
62	-649.60	706.30	-404.60	982.00	-272.70	443.30	62
63	-670.10	754.30	187.00	1290.00	-330.20	403.20	63
64	-1034.00	1063.00	636.60	2402.00	-318.30	774.90	64
65	-738.70	959.90	-735.80	1786.00	-531.80	511.60	65
66	-663.30	692.50	151.50	851.80	-239.10	362.00	66
67	-485.00	528.00	56.84	709.80	-276.00	138.80	67
68	-526.10	555.40	-2.31	674.40	-233.70	159.30	68
69	-601.50	2619.00	2245.00	3514.00	-371.40	721.80	69
70	-725.00	576.00	-132.40	686.20	-298.80	157.20	70
71	-779.80	589.70	-37.81	686.20	-264.10	163.70	71
72	-821.00	617.10	151.50	993.80	-303.10	285.10	72
73	-800.40	2119.00	1689.00	3147.00	-205.50	887.70	73
74	-1102.00	1118.00	1216.00	2390.00	-432.00	661.10	74
76	-1116.00	1131.00	1311.00	2366.00	-435.30	657.90	76
77	-1054.00	1550.00	1962.00	2828.00	-308.50	784.70	77
78	-464.40	658.30	175.20	946.50	-112.30	523.50	78



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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142  
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-129.80	245.30	29.57	57.20	-170.40	222.40	2
3	-84.19	165.40	16.86	44.49	-123.60	163.90	3
4	-67.09	136.90	16.86	38.13	-152.80	134.60	4
5	-44.25	102.70	18.45	42.90	-141.20	122.90	5
6	-89.91	171.20	27.98	58.79	-123.60	175.60	6
7	-118.40	211.10	31.16	58.79	-129.40	193.10	7
8	-147.00	262.40	26.39	73.08	-170.40	234.10	8
9	-112.70	262.40	31.15	55.61	-158.70	245.80	9
10	-141.30	290.90	31.15	42.90	-170.40	257.50	10
11	-158.40	342.30	43.87	46.07	-217.20	304.30	11
12	-169.80	741.60	88.35	138.20	-299.20	491.60	12
13	-181.20	684.50	88.35	112.80	-299.20	515.00	13
14	-266.80	827.10	89.94	158.30	-141.20	637.90	14
15	-226.80	764.40	121.70	152.50	-287.50	573.50	15
16	-135.50	228.20	21.62	46.07	-152.80	204.80	16
17	161.10	376.50	12.09	30.19	-47.50	204.80	17
18	-67.09	102.70	10.50	28.60	-141.10	111.20	18
19	-38.56	576.10	15.27	100.10	-141.20	415.50	19
20	-95.59	815.70	20.04	104.90	-152.80	474.00	20
21	-107.00	222.50	21.62	61.96	-135.30	199.00	21
22	-118.40	245.30	20.03	60.37	-152.80	216.50	22
23	-135.60	273.80	26.39	50.84	-176.30	239.90	23
24	-141.30	290.90	21.62	39.72	-164.60	263.40	24
25	-147.00	308.00	16.86	34.95	-164.60	263.40	25
26	-158.40	319.40	18.45	39.72	-188.00	286.80	26
27	-226.80	1335.00	69.26	227.20	-188.00	556.00	27
28	-135.50	1107.00	54.99	181.10	-147.00	456.50	28
29	-169.80	1118.00	37.51	182.70	-205.50	456.50	29
30	-147.00	1278.00	75.62	217.60	-170.40	608.70	30
31	-141.30	405.00	27.98	61.96	-246.50	380.40	31
32	-164.10	359.40	51.81	66.73	-199.70	333.60	32
33	-175.50	382.20	32.74	88.97	-147.00	339.40	33
34	-129.80	325.20	34.33	49.25	-164.60	275.10	34
35	-169.80	365.10	48.63	47.66	-205.50	351.20	35
36	-215.40	1289.00	85.16	198.60	-305.00	661.30	36
37	-67.09	479.20	34.33	87.38	-240.70	479.90	37
38	-175.50	975.50	96.28	181.10	-416.20	678.90	38
39	-141.20	473.50	59.75	71.49	-223.10	520.90	39
40	-192.60	433.50	53.40	65.14	-123.60	479.90	40
41	-181.20	433.50	56.58	119.20	-211.40	462.30	41
42	178.20	541.90	23.21	92.15	-111.90	304.30	42
43	-101.30	661.70	24.80	135.00	-193.80	433.10	43
44	-198.30	541.90	83.57	276.40	-369.40	678.90	44
45	-146.90	616.10	47.04	195.40	-416.20	655.50	45
46	-129.80	610.40	5.73	173.20	-182.10	409.70	46
47	-101.30	513.40	-2.21	111.20	-141.10	357.00	47
48	-249.60	353.70	35.92	149.30	-299.20	398.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142

TCGW 24300 TCGR 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
49	-243.90	348.00	35.92	123.90	-258.20	392.10	49
50	-129.80	279.50	20.04	41.31	-170.40	245.80	50
51	-164.10	336.60	29.57	47.66	-170.40	292.60	51
52	-152.70	393.60	35.92	88.97	-193.80	304.30	52
53	-61.38	256.70	-19.69	96.92	-123.60	245.80	53
54	-101.30	308.10	12.09	109.60	-135.30	304.30	54
55	-32.84	239.60	8.91	103.30	-129.40	263.40	55
56	-89.91	387.90	27.98	128.70	-100.20	327.80	56
57	-55.69	296.60	43.87	144.60	-141.20	286.80	57
58	-27.16	256.70	7.32	133.50	-41.66	327.70	58
59	-67.09	285.20	20.03	136.60	-100.20	292.60	59
60	-67.09	376.50	15.27	106.40	-141.20	392.10	60
61	-124.20	387.90	15.27	131.90	-158.70	374.60	61
62	-84.22	450.70	39.10	149.30	-141.20	368.70	62
63	-135.50	456.30	64.52	143.00	-158.70	398.00	63
64	-135.50	684.50	31.14	227.20	-164.60	485.80	64
65	-346.60	541.90	37.51	205.00	-334.30	479.90	65
66	-101.30	376.50	42.28	114.40	-211.40	310.20	66
67	-124.10	228.20	24.80	52.43	-147.00	199.00	67
68	-141.30	233.90	27.98	58.79	-141.20	216.50	68
69	-346.60	975.50	23.19	311.40	-363.50	719.80	69
70	-141.30	302.30	27.98	33.37	-193.80	269.20	70
71	-152.70	302.30	61.34	63.55	-188.00	286.80	71
72	-141.30	336.60	35.92	54.02	-217.20	316.00	72
73	-175.50	1238.00	48.62	235.10	-188.00	661.30	73
74	-186.90	713.10	83.59	127.10	-258.20	497.40	74
76	-175.50	781.50	77.23	130.30	-287.50	479.90	76
77	-238.20	1050.00	82.00	147.80	-474.70	749.10	77
78	-32.84	330.80	8.91	141.40	-117.70	286.80	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142  
TEGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-199.90	230.90	20.51	51.98	2
3	-170.30	177.60	38.61	44.39	3
4	-188.00	159.80	38.61	43.22	4
5	-117.00	171.70	37.45	37.38	5
6	-170.30	177.60	32.19	46.14	6
7	-170.30	201.30	22.26	46.72	7
8	-182.10	248.70	23.43	53.73	8
9	-182.10	284.20	18.17	43.80	9
10	-211.70	301.90	24.01	36.80	10
11	-211.70	349.30	24.01	43.80	11
12	-318.30	479.50	6.49	80.02	12
13	-288.70	497.30	32.19	75.34	13
14	-365.60	597.90	35.69	115.10	14
15	-276.80	509.10	66.65	81.77	15
16	-158.40	236.80	21.68	43.80	16
17	90.25	426.30	35.11	33.88	17
18	-158.40	130.30	36.86	28.62	18
19	-152.50	609.80	17.00	67.17	19
20	-205.80	639.40	22.26	108.60	20
21	-188.00	219.00	19.92	49.06	21
22	-199.80	242.70	20.51	48.48	22
23	-205.80	272.30	21.68	47.31	23
24	-217.60	284.20	31.02	42.64	24
25	-205.80	296.00	22.84	43.80	25
26	-229.40	319.70	14.08	49.06	26
27	-365.60	751.90	36.28	144.80	27
28	-247.30	704.50	29.27	136.70	28
29	-312.30	592.00	28.10	139.00	29
30	-253.20	864.30	33.36	144.30	30
31	-253.20	378.90	27.52	61.33	31
32	-199.90	384.80	10.58	61.91	32
33	-182.10	402.60	22.26	66.58	33
34	-205.80	343.30	14.08	40.28	34
35	-146.60	319.70	28.68	64.83	35
36	-253.20	911.70	24.01	154.80	36
37	-353.80	432.20	20.51	77.68	37
38	-235.40	917.60	22.26	163.50	38
39	-270.90	503.20	45.04	73.01	39
40	-205.80	532.80	34.53	90.53	40
41	-134.80	509.10	50.88	94.04	41
42	-205.80	307.80	19.92	73.59	42
43	-217.60	438.10	15.83	146.60	43
44	-294.60	1072.00	62.56	188.70	44
45	-454.40	1042.00	5.91	178.70	45
46	-182.10	485.50	12.33	123.20	46
47	-193.90	390.80	33.94	92.28	47
48	-288.70	449.90	12.33	77.68	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142  
TCGW 24300 TCG 444 FWD FLIGHT DATE 09/01/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
49	-300.50	544.70	10.58	95.79	49
50	-217.60	260.50	21.09	43.22	50
51	-199.80	290.10	14.67	50.81	51
52	-229.40	319.70	25.18	58.99	52
53	-128.80	242.80	27.52	76.51	53
54	-205.80	319.70	39.78	85.27	54
55	-188.00	313.80	24.60	73.59	55
56	-223.50	337.50	39.78	79.43	56
57	-170.30	307.80	22.84	83.52	57
58	-253.10	343.40	41.53	78.85	58
59	-276.80	556.50	34.53	80.02	59
60	-128.80	384.80	11.75	89.95	60
61	-4.50	402.60	17.00	89.36	61
62	-259.10	349.30	8.83	78.85	62
63	-176.20	396.70	5.32	80.02	63
64	-247.20	467.70	31.02	113.90	64
65	-430.80	497.30	15.84	129.10	65
66	-199.90	301.90	31.02	51.98	66
67	-188.00	219.00	32.77	51.40	67
68	-188.00	242.70	19.34	55.49	68
69	-413.00	1095.00	67.20	261.00	69
70	-229.50	307.80	22.26	42.05	70
71	-235.40	325.60	25.76	38.55	71
72	-288.70	355.20	16.42	54.90	72
73	-282.80	763.70	54.97	154.20	73
74	-336.00	485.50	9.41	87.61	74
76	-330.10	467.70	28.10	84.11	76
77	-389.30	893.90	43.29	130.80	77
78	-99.22	331.50	33.36	75.34	78



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## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TOWW 24300 TOWG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41250SDY	41250ALT	41320SDY	51320ALT	41330SDY	41330ALT	EVENT
1	-176.80	122.60	1443.00	1568.00	-49.16	75.72	1
2	-229.40	186.90	1396.00	1615.00	-119.00	122.30	2
3	-206.00	163.50			-55.00	104.80	3
4	-217.70	198.50	1378.00	1632.00	-107.40	145.60	4
5	-206.00	210.20			-72.44	168.90	5
6	-165.10	286.10	1301.00	1709.00	-72.47	250.40	6
7	-206.00	198.50			-124.80	163.00	7
8	-171.00	327.00	1236.00	1774.00	-78.28	314.50	8
9	-188.50	204.40			-113.20	221.30	9
10	-217.70	221.90	1325.00	1686.00	-124.90	174.70	10
11	-217.70	186.90	1343.00	1668.00	-113.20	163.00	11
12	-217.70	198.50			-107.40	168.90	12
13	-258.60	239.40	-200.00	200.00	-119.00	192.20	13
14	-235.20	227.70	-200.00	200.00	-136.50	209.60	14
15	-246.90	251.10	-166.20	241.70	-148.20	221.30	15
16	-252.80	245.30	-183.80	224.00	-148.20	221.30	16
17	-276.10	292.00	-201.50	253.40	-165.60	262.10	17
18	-299.40	338.70	-219.20	282.90	-206.40	291.20	18
19	-287.80	373.70	-231.00	318.30	-218.00	326.10	19
20	-287.80	373.70	-231.00	306.50	-206.40	314.40	20
21	-281.90	332.80	-207.40	306.50	-138.90	308.60	21
22	-276.10	315.30	-213.30	265.20	-143.10	267.80	22
23	-217.70	233.60	-130.80	206.30	-119.10	203.80	23
24	-258.60	227.80	-119.00	206.30	-113.20	198.00	24
25	-276.10	256.90	-160.30	223.90	-154.00	203.80	25
26	-293.60	332.80	-207.40	306.50	-134.80	302.80	26
27	-281.90	344.50	-207.40	306.50	-188.90	308.60	27
28	-211.90	204.40	-113.10	188.60	-119.00	168.80	28
29	-258.60	262.80	-142.60	206.30	-171.40	138.00	29
30	-246.90	251.10	-172.00	212.20	-154.00	192.20	30
31	-276.10	268.60	-195.60	223.90	-154.00	227.10	31
32	-293.60	286.10	-207.40	247.50	-183.10	244.60	32
33	-281.90	297.80	-195.60	259.30	-177.30	250.40	33
34	-305.30	332.80	-225.10	300.60	-212.20	308.60	34
35	-328.70	344.50	-225.10	312.30	-212.20	331.90	35
36	-322.80	397.10	-254.60	341.30	-212.20	343.60	36
37	-281.90	379.60	-242.80	330.00	-206.40	326.10	37
38	-287.80	338.70	-213.30	300.60	-134.80	302.80	38
39	-270.30	262.80	-195.60	223.90	-148.20	209.70	39
40	-281.90	239.40	-154.40	206.30	-136.50	198.00	40
41	-258.60	286.10	-195.60	235.80	-165.60	227.10	41
42	-171.00	315.30	-183.80	306.50	-55.00	279.50	42
43	-176.80	297.80	-207.40	306.50	-130.70	285.30	43
44	-200.20	146.00	-119.00	123.80	-43.31	104.80	44
45	-223.50	181.00	-148.50	141.40	-95.75	133.90	45
46	-223.50	169.30	-113.10	117.90	-95.75	99.00	46
47	-252.80	327.00	-154.40	253.40	-148.20	256.20	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
T0GW 24300 T0CG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41250SDY	41250ALT	41320SDY	41320ALT	41330SDY	41330ALT	EVENT
48	-276.10	397.10	-195.60	306.40	-165.60	308.60	48
49	-264.40	443.80	-160.30	377.20	-177.30	355.20	49
50	-287.80	443.80	-195.60	377.20	-171.50	361.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGW 24300 TCCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	26.82	61.40	-201.10	178.30	199.90	200.10	1
2	51.39	67.54	-311.90	240.90	297.50	229.40	2
3	46.79	72.14	-263.80	221.70	258.50	219.60	3
4	48.32	55.26	-340.80	241.00	278.00	229.40	4
5	40.65	115.10	-311.90	279.50	219.40	278.20	5
6	49.86	90.56	-234.80	356.60	273.10	409.90	6
7	22.23	105.90	-234.80	250.60	263.30	263.50	7
8	23.76	153.50	-273.40	472.30	341.40	497.80	8
9	16.09	121.30	-215.60	308.40	199.90	327.00	9
10	46.79	41.44	-172.20	226.50	160.80	258.70	10
11	34.51	32.23	-152.90	187.90	131.60	219.60	11
12	45.25	36.84	-133.70	207.20	131.60	239.10	12
13	46.79	38.37	-109.60	221.70	97.41	244.00	13
14	36.04	30.70	-90.25	221.70	87.66	244.00	14
15	43.72	35.30	-95.09	236.20	112.10	268.40	15
16	40.65	26.09	-85.44	226.50	68.13	244.00	16
17	42.18	30.70	-80.63	260.30	53.50	278.20	17
18	57.53	30.70	-61.34	298.80	38.84	322.10	18
19	57.53	39.91	-46.91	342.20	24.22	385.50	19
20	56.00	35.30	-66.16	342.20	33.97	375.80	20
21	54.46	30.70	-80.63	298.80	43.72	327.00	21
22	37.58	29.16	-90.25	269.90	63.25	307.40	22
23	36.04	33.77	-51.72	212.00	63.25	229.40	23
24	37.58	44.51	-61.34	212.00	102.30	239.10	24
25	42.18	39.91	-109.60	221.70	112.00	258.70	25
26	54.46	33.77	-66.16	294.00	43.72	327.00	26
27	59.06	32.23	-56.53	303.60	33.97	317.20	27
28	49.86	41.44	-124.00	207.30	136.40	234.30	28
29	60.60	49.12	-172.20	226.50	175.50	292.80	29
30	54.46	46.05	-152.90	226.50	141.30	307.50	30
31	59.07	38.37	-124.00	236.10	131.60	297.70	31
32	52.93	41.44	-114.30	245.80	116.90	312.30	32
33	56.00	44.51	-95.09	255.40	97.41	331.80	33
34	68.28	41.44	-66.19	274.70	43.75	366.00	34
35	74.41	47.58	839.80	1210.00	87.66	370.90	35
36	56.00	44.51	-51.72	356.60	24.22	424.60	36
37	54.46	46.05	-70.97	337.30	29.09	419.70	37
38	54.46	46.05	-85.47	294.00	77.91	370.90	38
39	52.93	50.65	-104.70	216.80	136.50	302.60	39
40	52.93	59.86	-80.63	212.10	121.80	278.20	40
41	63.67	55.26	-196.30	260.20	195.00	331.80	41
42	22.23	161.20	-268.60	400.00	331.70	468.50	42
43	43.72	161.20	-321.60	414.50	404.90	483.10	43
44	22.23	66.00	-263.80	221.70	234.10	224.50	44
45	51.39	70.61	-258.90	216.90	234.10	214.80	45
46	34.51	50.65	-230.00	216.80	195.00	224.50	46
47	31.44	32.23	-56.53	274.70	43.75	356.30	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGGW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
48	39.11	39.91	-56.53	351.80	29.09	419.70	48
49	42.18	42.98	-32.44	433.80	24.22	502.70	49
50	34.51	41.44	-42.06	443.40	43.72	502.70	50



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TCGW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	112.80	341.50	-69.50	540.80	-250.50	155.30	1
2	99.13	464.50	-60.63	620.50	-378.40	234.80	2
3	58.13	396.20	-45.75	531.90	-362.00	171.60	3
4	58.16	409.80	-42.91	762.30	-362.00	316.70	4
5	-85.31	430.30	-51.78	647.10	-323.80	291.00	5
6	-140.00	639.90	152.10	975.10	-365.10	377.60	6
7	-119.50	478.20	161.00	753.50	-362.80	266.00	7
8	-194.60	744.60	373.70	1445.00	-368.30	441.50	8
9	-174.10	519.10	-45.75	957.40	-365.90	334.60	9
10	-208.30	403.00	-370.90	611.70	-436.20	155.20	10
11	-174.10	396.20	-344.30	567.30	-369.30	138.10	11
12	-221.90	375.70	-344.30	514.10	-397.10	150.60	12
13	-338.10	396.20	-397.50	514.10	-446.30	193.50	13
14	-351.70	368.80	-415.20	461.00	-380.00	135.00	14
15	-338.00	409.80	-388.60	540.80	-396.30	154.50	15
16	-399.50	389.30	-441.80	487.60	-391.70	135.80	16
17	-433.70	437.20	-486.10	585.10	-422.90	138.30	17
18	-495.20	498.70	-539.30	726.90	-451.00	160.70	18
19	-549.80	580.60	-486.20	868.70	-462.70	163.00	19
20	-515.70	560.10	-503.90	851.00	-451.00	154.50	20
21	-502.00	519.10	-486.20	709.20	-505.60	185.70	21
22	-467.80	435.00	-379.80	673.70	-358.90	148.20	22
23	-269.80	423.50	-344.30	549.60	-363.60	132.60	23
24	-256.10	464.50	-237.90	602.80	-297.30	145.90	24
25	-297.10	409.80	-237.90	709.20	-457.20	213.70	25
26	-522.50	512.30	-495.00	700.30	-498.50	198.90	26
27	-481.50	525.90	-557.10	691.40	-468.10	171.60	27
28	-215.10	382.50	-335.40	558.40	-388.50	159.10	28
29	-358.60	471.30	36.88	629.40	-479.80	237.90	29
30	-335.90	430.30	-7.47	656.00	-392.50	214.50	30
31	-454.20	457.70	-96.09	744.60	-436.10	223.90	31
32	-502.00	491.80	-229.10	771.20	-433.00	209.90	32
33	-495.20	498.70	-246.80	806.70	-447.10	189.60	33
34	-556.60	532.80	-370.90	877.60	-494.70	181.00	34
35	-3392.00	3395.00	-273.40	868.70	-531.30	216.10	35
36	-624.90	628.40	-397.50	1064.00	-475.90	198.10	36
37	-556.60	614.80	-353.20	1019.00	-452.50	193.50	37
38	-529.30	546.40	-220.20	851.00	-437.70	184.90	38
39	-399.50	471.30	72.31	788.90	-395.60	195.80	39
40	-372.20	430.30	143.30	877.60	-286.40	172.40	40
41	-433.70	450.80	134.40	886.40	-532.10	277.70	41
42	-85.31	676.30	409.20	1445.00	-340.20	444.60	42
43	-181.00	639.90	382.60	1347.00	-338.60	471.20	43
44	85.44	491.80	63.47	514.20	-298.10	224.70	44
45	71.81	423.50	36.88	629.40	-372.20	234.80	45
46	44.47	478.20	-69.50	576.20	-252.80	181.00	46
47	-474.70	532.80	-433.00	921.90	-379.20	185.70	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
48	-502.00	601.10	-565.90	1073.00	-414.30	213.00	48
49	-515.70	724.00	-654.60	1090.00	-454.90	306.60	49
50	-508.80	730.90	-592.50	1081.00	-466.60	293.30	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TSGW 24300 TDCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	3.24	12.32	-109.40	130.90	-44.72	147.20	1
2	11.47	22.87	-259.60	232.70	-172.30	245.30	2
3	7.95	20.53	-206.30	218.10	-123.20	215.90	3
4	8.54	19.94	-274.20	237.50	-133.00	225.70	4
5	4.44	35.78	-279.10	232.70	-236.10	211.00	5
6	6.78	41.64	-322.70	315.10	-255.70	358.20	6
7	5.02	36.36	-303.30	227.80	-187.00	211.00	7
8	3.85	60.99	-337.20	746.50	-358.80	726.30	8
9	5.02	42.23	-235.40	237.50	-157.60	201.20	9
10	14.41	25.80	-317.80	261.80	-241.00	225.70	10
11	13.82	22.87	-288.70	203.60	-245.90	191.40	11
12	14.99	21.70	-279.10	232.70	-245.90	230.60	12
13	22.03	22.87	-346.90	261.80	-280.30	235.60	13
14	23.20	22.87	-332.30	237.50	-285.20	230.70	14
15	20.84	27.56	-342.10	256.90	-299.90	255.20	15
16	28.48	26.98	-376.00	252.10	-314.60	230.70	16
17	36.11	36.95	-448.70	266.60	-338.60	206.10	17
18	41.97	51.03	-569.90	358.70	-393.10	289.50	18
19	49.01	62.75	-594.10	382.90	-407.80	304.30	19
20	51.94	63.34	-550.50	358.70	-407.80	245.40	20
21	39.04	46.92	-705.60	426.60	-643.40	539.80	21
22	35.52	44.57	-502.00	281.20	-412.80	220.80	22
23	16.75	28.15	-220.90	232.70	-182.10	215.90	23
24	17.34	33.43	-313.00	353.80	-231.20	333.70	24
25	12.06	34.02	-351.80	305.40	-250.80	265.00	25
26	41.38	45.75	-603.80	392.70	-550.10	476.00	26
27	40.21	48.09	-628.10	349.00	-525.60	323.90	27
28	18.51	24.05	-274.20	247.30	-255.70	230.60	28
29	36.11	66.27	-254.80	256.90	-216.40	240.40	29
30	39.04	71.55	-283.90	266.60	-250.80	255.20	30
31	45.49	70.96	-346.90	271.50	-285.20	260.10	31
32	52.53	70.96	-395.40	329.60	-339.10	304.30	32
33	53.70	74.48	-439.00	363.60	-363.70	299.30	33
34	64.26	80.35	-531.10	436.30	-427.40	333.70	34
35	58.39	79.18	-540.80	446.00	-2066.00	1933.00	35
36	64.84	86.80	-618.30	436.30	-417.60	274.80	36
37	63.67	86.80	-555.40	431.40	-388.20	304.30	37
38	57.22	80.35	-516.60	421.80	-402.90	299.30	38
39	38.45	74.48	-317.80	319.90	-290.10	314.10	39
40	33.76	72.14	-351.80	382.90	-221.30	284.60	40
41	35.52	71.55	-351.80	373.30	-236.10	299.30	41
42	7.95	67.45	-371.10	838.60	-412.80	741.00	42
43	-2.24	54.54	-274.20	644.30	-235.70	623.20	43
44	9.71	14.08	-201.50	174.50	-157.60	181.60	44
45	13.82	26.39	-240.30	223.00	-182.10	206.10	45
46	9.72	17.59	-206.30	208.40	-157.60	201.20	46
47	48.42	64.51	-482.60	329.60	-348.90	215.90	47

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AIRCRAFT SLP1 FLIGHT 143  
TCGW 24300 TDCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
48	52.53	73.31	-506.90	334.50	-378.40	225.80	48
49	57.22	75.66	-608.70	319.90	-447.10	235.50	49
50	57.81	73.90	-662.00	334.50	-432.30	279.70	50



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TUGW 24300 T2CG 1.5 AFT FLIGHT DATE 03/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	3.50	301.60	-74.34	567.70	-123.90	129.00	1
2	-161.00	370.10	-74.34	567.70	-233.40	221.20	2
3	-133.60	383.80	-86.16	579.50	-187.90	143.10	3
4	-209.00	330.70	-157.10	603.20	-166.20	177.80	4
5	-209.00	582.60	398.80	804.30	-300.60	422.80	5
6	-366.60	726.50	907.30	1313.00	-450.20	644.00	6
7	-352.90	479.80	-74.34	638.70	-162.90	98.68	7
8	-455.70	856.70	-157.10	1195.00	-334.20	731.80	8
9	-243.30	520.90	-3.38	591.40	-268.10	297.10	9
10	-394.00	534.60	43.94	591.40	-254.00	118.20	10
11	-366.60	438.60	55.75	555.90	-221.50	111.70	11
12	-346.10	445.50	8.44	603.20	-207.40	186.50	12
13	-352.90	493.50	-3.38	662.30	-252.90	225.50	13
14	-448.90	466.10	-3.38	638.70	-251.80	129.00	14
15	-469.40	514.00	20.28	709.70	-309.30	177.80	15
16	-510.50	472.90	-50.69	638.70	-264.80	122.50	16
17	-668.20	507.20	-15.19	697.80	-259.40	143.10	17
18	-777.80	616.80	848.20	1609.00	-346.20	401.20	18
19	-791.60	767.60	494.40	1573.00	-458.90	316.60	19
20	-819.00	712.80	315.90	1100.00	-337.50	216.80	20
21	-928.70	1467.00	1321.00	2295.00	-366.80	727.40	21
22	-750.40	575.70	126.70	1029.00	-255.10	180.00	22
23	-304.90	486.60	8.44	603.20	-231.20	180.00	23
24	-373.50	610.00	-204.40	745.10	-180.30	207.10	24
25	-400.90	555.20	209.50	827.90	-340.70	248.30	25
26	-1031.00	1103.00	1215.00	1762.00	-379.80	714.40	26
27	-901.20	644.30	848.20	1443.00	-424.20	531.20	27
28	-394.00	397.50	91.25	591.40	-232.30	196.20	28
29	-414.60	459.20	729.90	1041.00	-207.40	375.10	29
30	-538.00	377.00	197.70	555.90	-224.70	177.80	30
31	-675.10	445.50	162.20	520.40	-154.30	163.70	31
32	-764.10	548.30	79.44	603.20	-194.40	201.70	32
33	-819.00	603.20	91.25	686.00	-207.40	190.80	33
34	-908.10	733.40	126.70	910.70	-246.40	212.50	34
35	-901.20	726.50	576.20	1171.00	-280.00	365.40	35
36	846.50	2406.00	493.40	1538.00	-477.30	371.90	36
37	2519.00	843.00	32.09	1029.00	-292.00	251.50	37
38	2471.00	753.90	-62.50	934.40	-244.20	238.50	38
39	3081.00	568.90	422.40	827.90	-191.10	259.10	39
40	2985.00	582.60	150.40	816.10	-144.50	193.00	40
41	2862.00	651.10	978.30	1218.00	-362.40	432.60	41
42	2999.00	980.10	-180.80	1242.00	-403.60	690.60	42
43	3218.00	747.10	-239.90	1230.00	-252.90	674.30	43
44	3451.00	281.00	-145.30	496.80	-171.60	148.50	44
45	2971.00	349.60	91.25	544.10	-210.60	174.60	45
46	3197.00	274.20	-121.60	544.10	-146.70	164.80	46
47	2766.00	733.30	-180.80	1100.00	-209.50	251.50	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGGW 24300 TCCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
48	2779.00	843.00	-109.80	1266.00	-243.20	322.00	48
49	2642.00	925.30	-251.80	1384.00	-230.00	404.40	49
50	2546.00	939.00	-216.30	1372.00	-267.00	421.70	50

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# FLIGHT LOADS

## CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TCGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	-16.19	113.60	15.38	34.80	-107.90	122.20	1
2	-27.56	125.00	18.54	34.80	-113.70	163.00	2
3	-38.91	102.30	13.80	26.89	-119.50	122.20	3
4	-38.91	125.00	20.13	45.88	-142.80	133.90	4
5	-101.40	221.60	21.71	56.96	-154.40	168.80	5
6	-61.66	329.50	26.45	125.00	-137.00	302.60	6
7	-90.03	210.20	18.54	50.63	-38.06	192.10	7
8	-203.70	380.70	34.37	180.40	-224.30	389.90	8
9	-73.00	170.40	15.38	34.80	-166.10	157.10	9
10	-107.10	204.50	26.46	55.37	-133.60	197.90	10
11	-84.38	181.80	15.38	37.97	-142.80	157.10	11
12	-33.22	198.80	13.80	68.03	-142.80	192.10	12
13	-95.72	215.90	39.11	58.54	-154.50	227.00	13
14	-124.10	221.60	29.62	49.04	-171.90	209.50	14
15	-135.50	232.90	37.53	69.61	-171.90	244.40	15
16	-146.90	232.90	26.46	42.72	-171.90	232.80	16
17	-158.30	289.80	24.87	37.97	-125.20	267.70	17
18	-158.30	357.90	39.11	55.37	-232.50	343.30	18
19	-180.90	403.40	61.26	64.87	-270.80	401.50	19
20	-84.38	431.80	54.93	61.70	-235.90	378.30	20
21	-129.30	397.70	61.26	185.10	-224.30	506.30	21
22	-181.00	335.20	50.19	56.96	-212.70	320.10	22
23	-73.03	204.50	29.62	55.37	-107.90	203.70	23
24	-84.38	284.10	29.62	64.87	-148.60	279.30	24
25	-141.20	235.40	53.35	82.27	-195.20	256.10	25
26	-107.10	806.80	31.20	189.80	8.50	494.70	26
27	-95.72	443.20	62.84	107.60	-270.80	378.30	27
28	-73.00	181.80	18.54	56.96	-137.00	174.60	28
29	-78.69	221.60	24.87	98.09	-119.50	261.90	29
30	-95.72	215.90	39.11	71.19	-166.10	227.00	30
31	-107.10	272.70	42.28	64.87	-201.00	250.30	31
32	-141.20	329.50	37.53	82.27	-195.20	291.00	32
33	-44.54	414.70	43.86	82.27	-230.10	314.30	33
34	-158.20	403.40	50.19	82.27	-102.10	488.80	34
35	-192.30	403.40	45.44	90.18	-247.60	401.60	35
36	-158.20	437.50	64.42	74.36	-265.00	442.30	36
37	-158.20	448.80	51.77	74.36	-253.40	407.40	37
38	-209.30	454.50	58.10	102.80	-125.40	419.00	38
39	-78.69	278.40	35.95	55.37	-154.50	285.20	39
40	-38.91	261.30	29.62	49.04	-171.90	314.30	40
41	-118.50	306.80	42.28	77.52	-154.50	331.70	41
42	-158.30	346.60	-25.76	161.40	-212.60	413.20	42
43	-135.50	369.30	24.87	189.90	-206.80	407.40	43
44	-21.88	130.70	12.21	28.48	-78.78	139.70	44
45	-27.56	113.60	16.96	26.89	-119.50	122.20	45
46	-27.56	113.60	16.96	26.89	-102.10	128.00	46
47	-135.50	335.20	43.86	50.63	-201.00	331.70	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGGW 24300 TDCR 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
48	-129.80	336.30	51.77	52.21	-177.80	401.60	48
49	-152.60	420.40	53.35	56.96	-160.30	453.90	49
50	-186.60	477.30	53.35	60.12	-171.90	477.20	50



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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TSGW 24300 TSCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
1	-90.84	112.00	48.06	39.65	1
2	-120.30	129.70	30.56	46.65	2
3	-126.20	112.00	46.31	43.74	3
4	-120.30	129.70	29.98	39.07	4
5	-191.10	271.30	47.47	47.24	5
6	-226.50	460.00	43.97	82.23	6
7	-138.00	194.60	30.56	45.49	7
8	-226.50	495.30	18.31	97.39	8
9	-149.80	147.40	53.30	58.90	9
10	-173.40	218.20	43.39	48.38	10
11	-143.90	188.70	45.14	42.57	11
12	-31.88	300.80	48.64	44.90	12
13	-132.10	235.90	43.97	48.40	13
14	-149.80	241.80	32.89	43.15	14
15	-149.80	253.60	30.56	48.99	15
16	-155.70	259.50	31.14	39.07	16
17	-185.20	324.30	32.31	33.24	17
18	-149.80	477.60	32.89	53.65	18
19	-279.60	418.70	49.22	48.98	19
20	-179.30	412.80	42.22	45.49	20
21	-102.60	572.00	38.72	135.30	21
22	-161.60	347.90	19.48	50.73	22
23	-108.50	212.30	22.98	47.24	23
24	-143.90	283.00	15.98	62.40	24
25	-102.60	300.80	21.81	55.40	25
26	-79.03	583.80	39.89	109.60	26
27	-132.10	507.10	9.57	68.81	27
28	-61.34	247.70	26.48	42.57	28
29	-55.47	383.30	46.89	41.99	29
30	-120.30	235.90	32.89	32.66	30
31	-161.60	230.00	36.98	36.74	31
32	-167.50	283.10	46.89	38.49	32
33	-84.97	412.80	49.80	40.24	33
34	-179.30	377.40	56.80	56.57	34
35	-208.80	406.90	43.39	59.48	35
36	-208.80	442.30	74.88	65.31	36
37	-155.70	424.60	73.13	58.90	37
38	-179.30	377.40	50.97	54.23	38
39	-102.60	324.30	48.64	36.74	39
40	-149.80	300.80	34.06	33.82	40
41	38.88	501.30	60.88	67.65	41
42	-214.70	530.70	1.40	115.50	42
43	-179.30	424.60	36.39	92.14	43
44	-114.40	135.60	66.13	34.41	44
45	-138.00	112.00	43.97	36.74	45
46	-102.70	123.80	44.56	39.65	46
47	-126.20	359.70	43.39	45.49	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143  
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
48	-84.04	424.60	54.47	61.23	48
49	-96.75	507.10	59.14	72.89	49
50	-108.50	542.50	62.05	75.81	50

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151  
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-206.90	171.50	-90.03	147.20	-113.00	141.40	2
3	-218.80	195.20	-131.30	176.70	-107.10	159.10	3
4	-224.70	201.10	-137.20	194.30	-130.70	182.70	4
5	-242.40	242.50	-166.60	200.20	-148.40	200.40	5
6	-260.20	307.60	-184.30	241.40	-166.10	253.40	6
7	-277.90	360.80	-196.00	276.80	-171.90	271.10	7
8	-283.80	366.70	-184.30	300.30	-177.80	288.70	8
9	-254.20	337.20	-201.90	306.20	-177.80	312.30	9
10	-301.50	349.00	-231.40	300.30	-183.80	306.40	10
11	-319.30	343.10	-201.90	282.70	-201.40	300.50	11
12	-272.00	354.90	-213.70	306.20	-189.70	300.50	12
13	-230.60	195.20	-119.50	176.70	-107.10	170.90	13
14	-242.40	230.70	-143.00	188.50	-130.70	194.50	14
15	-242.40	254.30	-160.70	217.90	-130.70	229.80	15
16	-254.30	278.00	-178.30	223.80	-154.30	229.80	16
17	-260.20	283.90	-160.70	229.70	-154.30	229.80	17
18	-260.20	283.90	-201.90	247.30	-154.30	253.40	18
19	-272.00	272.10	-166.60	259.10	-160.20	259.30	19
20	-266.10	242.50	-172.50	241.40	-148.40	223.90	20
21	-236.50	201.10	-143.00	176.70	-130.70	170.90	21
22	-266.10	230.70	-137.20	206.10	-118.90	206.30	22
23	-254.20	218.80	-143.00	200.20	-118.90	194.50	23
24	-266.10	230.70	-148.90	217.90	-130.70	194.50	24
25	-266.10	266.20	-172.50	229.70	-148.40	235.70	25
26	-272.00	283.90	-178.40	247.30	-160.20	247.50	26
27	-266.10	349.00	-207.80	312.10	-171.90	306.40	27
28	-289.80	325.30	-207.80	276.80	-189.60	276.90	28
29	-283.80	295.80	-178.40	259.10	-160.20	259.30	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	55.55	47.54	-154.60	182.90	191.80	233.50	2
3	32.55	24.53	-53.47	168.50	60.53	209.20	3
4	37.15	26.07	-48.66	182.90	65.38	214.00	4
5	38.69	21.47	-52.50	207.00	36.22	233.50	5
6	46.35	23.00	-29.41	260.00	36.19	291.80	6
7	57.09	33.73	-39.03	308.10	41.06	364.80	7
8	49.42	29.13	-34.22	341.80	41.06	394.00	8
9	38.69	27.60	-14.97	303.30	-2.72	340.50	9
10	58.62	35.27	-29.41	308.10	41.06	364.80	10
11	57.09	33.73	-34.22	303.30	41.06	364.80	11
12	55.55	41.40	-10.16	327.30	2.13	355.10	12
13	34.09	29.13	-29.41	173.30	45.91	204.30	13
14	35.62	21.47	-39.03	192.50	31.34	228.60	14
15	40.22	23.00	-29.41	231.10	7.03	262.70	15
16	44.82	24.54	-34.22	255.20	16.75	291.80	16
17	41.75	27.60	-24.59	255.20	-2.72	301.50	17
18	54.02	30.67	-14.97	264.80	7.00	291.80	18
19	44.82	27.60	-5.34	255.20	2.16	287.00	19
20	41.75	27.60	-77.56	202.20	60.50	238.30	20
21	37.15	23.00	-19.78	163.70	36.19	214.00	21
22	47.89	36.80	-63.13	187.80	65.38	262.60	22
23	44.82	30.67	-67.94	182.90	65.38	252.90	23
24	49.42	32.20	-48.69	211.80	55.63	272.40	24
25	49.42	35.27	-34.22	245.50	26.47	311.30	25
26	57.09	36.80	-24.59	264.80	16.72	340.50	26
27	61.69	41.40	-24.59	351.40	-2.72	408.60	27
28	67.82	44.47	-10.16	288.80	26.47	340.50	28
29	63.22	42.94	-19.78	260.00	-12.44	350.20	29



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151  
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-98.81	416.20	-155.50	646.80	-359.00	135.90	2
3	-303.50	361.60	-350.50	416.50	-309.80	94.53	3
4	-317.20	348.00	-359.30	478.50	-304.40	98.44	4
5	-358.10	375.30	-412.50	531.70	-308.30	111.70	5
6	-433.10	450.30	-465.70	726.60	-346.50	117.20	6
7	-515.00	532.20	-430.20	868.40	-392.60	160.10	7
8	-528.70	573.10	-421.40	948.10	-402.00	177.30	8
9	-405.80	504.90	-173.30	806.40	-430.90	168.70	9
10	-542.30	559.50	-341.60	974.80	-388.70	187.50	10
11	-480.90	525.30	-350.50	930.40	-439.50	174.20	11
12	-501.40	532.20	-483.40	797.50	-379.30	176.50	12
13	-289.80	348.00	-341.60	443.10	-290.30	106.20	13
14	-344.40	361.60	-377.10	478.50	-330.20	110.20	14
15	-364.90	395.70	-421.40	576.00	-348.10	132.80	15
16	-392.20	423.00	-385.90	629.10	-361.40	136.70	16
17	-392.20	436.70	-377.10	673.40	-349.70	159.30	17
18	-405.80	464.00	-279.60	646.80	-362.90	155.40	18
19	-317.10	457.10	-323.90	673.50	-416.10	149.20	19
20	-324.00	382.10	-261.90	629.10	-247.40	163.30	20
21	-317.20	348.00	-208.70	505.10	-331.70	111.70	21
22	-392.20	436.70	-129.00	655.70	-348.10	198.40	22
23	-371.70	402.50	-128.90	638.00	-351.20	185.90	23
24	-392.20	423.00	-191.00	664.60	-330.90	157.80	24
25	-433.10	450.30	-244.10	717.80	-373.90	146.10	25
26	-419.50	463.90	-261.90	841.80	-374.70	159.30	26
27	-508.20	566.30	-315.10	965.90	-416.80	217.20	27
28	-426.30	484.40	-253.00	868.40	-467.60	200.80	28
29	-412.70	470.80	-128.90	886.10	-388.70	167.20	29

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AIRCRAFT SLP1 FLIGHT 151  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	11.73	26.96	-258.30	189.00	-211.60	181.80	2
3	20.53	20.52	-321.30	242.30	-255.80	226.00	3
4	25.22	26.38	-311.60	261.70	-290.30	240.70	4
5	32.84	32.83	-389.10	281.00	-300.10	221.10	5
6	39.87	50.41	-447.30	339.20	-319.70	211.20	6
7	46.32	62.72	-553.80	397.30	-378.60	230.90	7
8	49.84	72.10	-602.30	397.30	-373.70	226.00	8
9	39.29	53.35	-636.30	518.50	-432.70	412.60	9
10	43.98	68.59	-839.80	508.80	-727.40	569.80	10
11	53.94	72.69	-820.40	576.60	-594.80	496.10	11
12	55.12	63.31	-704.10	605.70	-496.50	682.80	12
13	21.70	22.86	-301.90	232.60	-250.90	211.30	13
14	28.15	28.14	-345.50	247.10	-329.50	221.00	14
15	32.25	36.93	-413.30	256.80	-388.50	201.40	15
16	34.60	41.62	-447.30	290.80	-368.80	191.60	16
17	34.01	43.38	-461.80	305.30	-354.10	186.70	17
18	37.53	43.38	-830.10	489.40	-712.70	614.00	18
19	28.15	42.21	-679.80	436.10	-653.80	633.70	19
20	23.46	34.00	-844.60	581.50	-776.50	599.30	20
21	31.67	43.38	-306.80	237.40	-305.00	226.00	21
22	36.36	69.17	-316.40	256.80	-305.00	245.60	22
23	34.01	60.96	-311.60	271.30	-309.90	250.50	23
24	41.04	64.48	-355.20	324.70	-344.30	284.90	24
25	45.73	69.17	-427.90	377.90	-363.90	265.30	25
26	46.91	71.52	-490.90	363.40	-393.40	216.10	26
27	54.53	81.48	-636.20	499.10	-643.90	525.60	27
28	41.05	70.34	-607.20	576.60	-521.10	520.70	28
29	45.15	77.96	-573.30	377.90	-447.40	309.50	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151  
TGGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-184.30	365.00	44.00	580.40	-189.50	112.70	2
3	-342.70	468.30	-27.06	651.40	-236.10	100.80	3
4	-370.30	468.30	-38.91	687.00	-246.90	94.24	4
5	-494.30	495.90	-15.22	734.30	-231.70	102.90	5
6	-570.00	613.00	-15.22	876.50	-239.30	156.00	6
7	-749.10	750.70	32.16	1066.00	-269.70	212.30	7
8	-838.60	798.90	67.69	1125.00	-335.70	232.90	8
9	-845.50	860.90	932.30	1587.00	-495.00	522.20	9
10	-1121.00	1481.00	1880.00	2866.00	-386.70	712.80	10
11	-1217.00	1357.00	1548.00	2393.00	-383.40	716.00	11
12	-328.90	1873.00	1666.00	2582.00	-266.40	833.00	12
13	-301.40	482.10	-27.06	698.80	-254.50	123.50	13
14	-411.60	468.30	-86.28	687.00	-246.90	118.10	14
15	-494.30	495.90	-86.28	687.00	-315.10	125.70	15
16	-570.00	571.60	-62.59	852.80	-295.70	173.30	16
17	-563.10	606.10	-169.20	935.70	-283.70	196.10	17
18	-508.00	1612.00	1027.00	2677.00	-387.80	711.70	18
19	-804.20	1646.00	1572.00	2653.00	-331.40	768.00	19
20	-790.40	1646.00	1264.00	2085.00	-426.70	672.70	20
21	-273.80	468.30	-98.13	651.40	-243.60	106.20	21
22	-473.60	461.40	79.53	639.60	-205.70	187.40	22
23	-466.70	454.60	79.53	592.20	-200.30	134.30	23
24	-556.20	557.80	150.60	710.70	-219.80	156.00	24
25	-632.00	633.60	150.60	829.10	-223.10	176.60	25
26	-680.20	695.60	32.16	923.80	-294.60	226.40	26
27	-687.10	978.00	825.70	2310.00	-459.20	640.20	27
28	-466.70	1226.00	1157.00	2594.00	-433.20	666.20	28
29	-707.80	736.90	328.30	1504.00	-354.10	305.50	29

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AIRCRAFT SLP1 FLIGHT 151  
TGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-109.30	150.20	7.36	31.60	-114.00	151.00	2
3	-126.60	202.10	20.00	41.08	83.56	418.30	3
4	-143.90	231.00	15.26	36.34	-195.30	232.40	4
5	-143.90	254.10	20.00	28.44	-195.30	244.00	5
6	-195.90	340.80	68.98	74.27	-224.30	307.90	6
7	-172.80	410.10	45.28	47.41	-247.60	377.60	7
8	-195.90	444.70	35.80	41.08	-282.40	424.10	8
9	-120.80	462.00	50.02	96.39	-317.30	389.20	9
10	-276.80	1068.00	113.20	159.60	-392.80	604.20	10
11	-109.30	958.70	80.03	177.00	-398.60	517.00	11
12	-288.30	1022.00	84.78	210.20	-247.60	575.10	12
13	-149.70	213.70	21.58	48.99	-172.10	197.50	13
14	-167.00	254.10	20.00	34.76	-206.90	232.30	14
15	-190.20	288.80	23.16	37.92	-236.00	249.80	15
16	-184.40	317.60	40.54	45.83	-247.60	296.30	16
17	-190.20	335.00	42.12	50.57	-201.10	331.10	17
18	-230.60	906.70	40.54	178.60	-247.60	528.60	18
19	-167.00	993.30	23.16	170.70	-259.20	517.00	19
20	-132.40	681.50	38.96	189.60	-265.00	627.40	20
21	-161.30	225.20	21.58	45.82	-206.90	209.20	21
22	-120.80	277.20	16.84	66.37	-195.30	232.40	22
23	-126.60	259.90	24.74	61.63	-206.90	244.00	23
24	-161.30	306.10	26.32	91.65	-195.30	278.80	24
25	-167.00	346.50	27.90	80.59	-206.90	313.70	25
26	-167.10	369.60	43.70	58.47	-230.20	348.50	26
27	-236.40	612.20	100.60	128.00	-305.70	458.90	27
28	-247.90	704.60	81.63	143.80	42.91	610.00	28
29	-161.30	386.90	67.40	88.49	-143.00	482.20	29



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AIRCRAFT SLP1 FLIGHT 151  
TOWW 20800 TBCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	A9660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-168.10	176.60	34.13	34.11	2
3	-179.80	211.90	22.37	39.99	3
4	-191.60	223.70	18.25	33.52	4
5	-197.50	276.70	18.25	25.29	5
6	-203.40	353.20	18.84	36.46	6
7	-191.60	412.10	32.37	51.16	7
8	-232.80	441.50	39.42	59.39	8
9	-297.60	482.80	3.55	97.62	9
10	-480.10	665.30	27.66	120.60	10
11	-397.70	535.70	45.30	114.70	11
12	-274.00	647.60	18.25	121.70	12
13	-144.50	211.90	3.55	41.16	13
14	-156.30	247.30	9.43	37.64	14
15	-244.60	264.90	2.38	37.63	15
16	-209.30	323.80	7.67	41.75	16
17	-174.00	323.80	6.49	42.93	17
18	-215.20	624.00	-7.62	121.70	18
19	-238.70	553.40	12.37	128.80	19
20	-327.00	806.50	-14.68	167.60	20
21	-150.40	229.60	-12.91	41.16	21
22	-173.90	217.80	15.90	38.22	22
23	-173.90	217.80	17.67	35.28	23
24	-197.50	264.90	21.19	35.28	24
25	-179.80	317.90	28.84	45.28	25
26	-185.70	335.50	35.90	53.51	26
27	-215.20	447.40	40.01	83.50	27
28	-315.20	535.70	25.31	91.15	28
29	-85.63	482.80	32.37	68.80	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-192.90	163.50	-118.30	133.20	2
3	-200.70	186.80	-110.50	156.60	3
4	-247.30	249.20	-157.50	219.30	4
5	-263.00	342.60	-181.00	305.40	5
6	-270.00	430.00	-212.30	352.40	6
7	-281.00	480.00	-198.00	398.00	7
8	-300.00	600.00	-197.00	477.00	8
9	-150.00	250.00	-309.00	459.00	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
T0GN 20800 T0CG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	43.91	61.22	-208.80	261.20	259.50	308.30	2
3	43.91	48.97	-102.40	203.10	102.90	220.30	3
4	36.26	32.14	-63.66	222.50	53.97	249.60	4
5	48.50	44.38	-34.66	338.50	19.72	372.00	5
6	40.85	52.04	-10.47	449.80	-14.53	465.00	6
7	59.21	64.28	-10.47	556.20	-24.34	553.00	7
8	63.81	68.87	-5.66	657.70	-53.69	660.70	8
9	45.44	154.60	-310.30	391.80	318.30	425.80	9

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-29.03	410.50	202.80	747.00	-314.50	215.30	2
3	-179.60	369.50	-241.80	551.30	-309.80	129.20	3
4	-357.50	410.50	-339.70	578.00	-357.50	133.10	4
5	-521.70	561.10	-339.70	844.80	-407.60	186.30	5
6	-603.80	711.60	-446.40	1023.00	-413.90	274.00	6
7	-590.10	821.00	-588.70	969.30	-441.30	370.20	7
8	-631.20	916.80	-935.50	1138.00	-399.80	411.70	8
9	-97.47	656.80	220.50	1263.00	-362.20	449.30	9



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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	-0.94	27.04	-87.06	253.00	-69.34	216.40	2
3	14.33	22.34	-155.20	233.50	-103.80	211.50	3
4	25.50	28.81	-247.60	267.60	-187.40	245.90	4
5	43.14	53.50	-393.60	345.40	-300.50	241.00	5
6	59.60	66.44	-471.40	355.20	-344.80	236.10	6
7	67.83	71.14	-510.40	316.30	-408.70	280.30	7
8	88.41	90.54	-666.00	364.90	-507.10	349.20	8
9	48.43	77.61	-203.80	437.90	-118.50	423.00	9

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 161  
TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	8.72	401.50	-107.50	533.80	-136.10	166.70	2
3	-109.00	422.30	-48.25	664.30	-131.70	116.90	3
4	-282.10	470.80	-143.10	711.70	-168.50	82.25	4
5	-552.10	685.40	-107.50	1079.00	-224.80	212.10	5
6	-600.50	817.00	-155.00	1317.00	-273.50	321.40	6
7	-621.30	865.40	-297.30	1459.00	-293.00	410.10	7
8	-676.70	920.80	-605.80	1601.00	-298.40	502.20	8
9	-628.20	747.70	-226.20	1317.00	-172.90	367.90	9

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-9.09	94.16	4.46	41.29	-120.00	100.00	2
3	-40.47	141.20	34.63	58.76	-12.00	12.00	3
4	-55.00	235.00	15.58	33.35	-155.00	165.00	4
5	-76.00	357.00	37.81	52.41	-210.00	310.00	5
6	-96.00	415.00	58.46	63.53	-211.00	371.00	6
7	-96.00	450.00	102.90	101.60	-190.00	410.00	7
8	-75.00	425.00	117.20	125.50	-185.00	535.00	8
9	40.00	240.00	-13.01	112.80	-80.00	240.00	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161  
TCGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	A9660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-81.54	124.30	24.50	47.16	2
3	-97.13	139.90	13.89	43.62	3
4	-81.59	233.10	.92	37.73	4
5	-120.40	349.60	7.40	33.60	5
6	-81.59	404.00	19.78	51.88	6
7	-113.00	513.00	26.27	64.26	7
8	-110.00	590.00	33.34	76.04	8
9	-55.00	306.00	16.25	74.28	9



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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
T0GW 20800 T0CG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41250SDY	41250ALT	41330SDY	41330ALT	EVENT
2	-250.00	400.00	-300.00	400.00	2
3	-300.00	450.00	-300.00	400.00	3
4	-300.00	600.00	-300.00	500.00	4
5	-427.00	708.70	-400.00	600.00	5
6	-500.00	700.00	-300.00	700.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TAGW 20800 TACG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	20.00	60.00	13.66	468.80	5.28	479.00	2
3	58.07	65.18	4.00	555.80	-24.03	547.40	3
4	92.22	90.01	28.19	667.00	-48.50	679.40	4
5	99.97	100.90	-29.84	705.70	-53.38	723.40	5
6	80.00	100.00	569.50	1286.00	-100.00	850.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-595.60	703.90	-472.00	961.70	-414.00	344.70	2
3	-609.30	785.90	-472.00	944.00	-403.80	408.10	3
4	-622.30	854.30	-1104.00	1256.00	-345.40	446.50	4
5	-602.40	915.80	-1229.00	1416.00	-355.20	456.70	5
6	-117.20	1415.00	-1318.00	1790.00	-349.70	462.20	6

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	61.44	61.66	-448.80	335.40	-337.50	266.10	2
3	69.66	68.70	-546.00	354.90	-486.20	364.70	3
4	100.80	102.20	-716.10	437.50	-550.30	448.40	4
5	110.80	116.90	-682.10	452.10	-560.10	468.10	5
6	134.20	146.20	-920.30	534.70	-471.40	527.30	6



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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TGW 20800 TCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	-609.50	776.40	-143.00	1398.00	-266.80	364.60	2
3	-665.00	804.20	-368.10	1529.00	-280.90	478.10	3
4	-706.60	984.40	-901.40	1659.00	-326.30	649.10	4
5	-637.30	984.40	-913.20	1742.00	-355.50	728.00	5
6	-82.69	1539.00	-747.30	2026.00	-340.40	743.10	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TGGW 20800 TCCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-119.80	401.00	58.65	74.03	-130.30	369.30	2
3	-127.50	455.00	66.53	91.36	-213.90	518.60	3
4	-135.20	478.20	57.08	116.60	-127.40	667.90	4
5	-50.38	624.70	66.53	94.51	-237.40	746.50	5
6	-173.80	640.10	39.75	108.70	-245.30	848.60	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162  
TGW 20300 TCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-152.10	438.30	22.91	57.11	2
3	-152.10	561.30	26.44	73.59	3
4	-167.50	699.80	32.33	83.01	4
5	-144.40	753.60	32.91	81.24	5
6	-129.10	861.30	1.13	117.70	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163  
TGN 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
1	-223.30	280.60	-145.30	258.00	1758.00	2161.00	1
2	-277.80	272.80	-168.80	265.80	1774.00	2145.00	2
3	-192.10	374.20	-98.41	336.20	1758.00	2145.00	3
4	-238.90	327.40	3.22	422.20	1734.00	2185.00	4
5	1718.00	2268.00	1794.00	2103.00	1766.00	2153.00	5
6	-67.38	530.10	-121.90	375.30	-160.00	240.00	6
7	-355.80	491.10	-1162.00	1399.00	296.20	905.80	7
8	-270.10	420.90	-176.60	367.50	1679.00	2193.00	8
9	-433.80	693.80	-325.10	609.80	1520.00	2368.00	9
10	-441.50	779.50	-372.10	688.00	1488.00	2320.00	10
11	-400.00	800.00	-309.50	688.00	-1917.00	2277.00	11
12	-1833.00	2140.00	-379.90	774.00	-418.90	794.60	12
13	-199.90	179.30	-74.97	125.10	-156.70	135.10	13
14	-176.50	218.30	-35.88	195.40	-212.30	206.60	14
15	-192.10	218.30	11.06	179.80	-136.40	270.20	15
16	-192.10	155.90	-145.30	195.40	-156.70	166.90	16
17	-238.90	280.60	-74.94	250.20	-228.20	301.90	17
18	-270.10	405.30	-192.30	351.80	-228.20	333.80	18
19	1663.00	2323.00	-207.90	351.80	-2060.00	2134.00	19
20	-285.70	452.10	-168.80	406.50	-228.20	397.30	20
21	-348.00	592.40	-200.00	484.70	-299.70	468.80	21
22	-449.30	787.30	-387.70	734.90	-434.80	715.20	22



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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP: FLIGHT 163  
TOWW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
1	40.86	38.33	-110.10	251.40	64.25	264.40	1
2	56.39	45.04	-66.59	227.20	69.13	249.70	2
3	73.43	65.24	-56.94	333.60	10.38	357.40	3
4	45.52	52.81	-100.50	299.70	83.81	313.30	4
5	-320.30	468.30	-71.44	367.40	25.09	352.50	5
6	75.03	79.22	-114.90	372.30	74.03	372.00	6
7	96.78	85.43	-366.30	681.60	411.80	749.00	7
8	51.73	62.13	-18.25	488.30	-23.88	489.60	8
9	110.80	114.90	-139.10	802.50	103.40	832.20	9
10	129.40	127.40	-129.50	947.50	93.63	998.70	10
11	124.70	119.60	-148.80	908.80	118.10	935.00	11
12	137.20	132.00	-221.30	1001.00	260.10	1018.00	12
13	26.88	62.13	-206.80	261.10	113.20	254.60	13
14	40.86	91.64	-114.90	294.90	103.40	293.70	14
15	-348.30	440.40	-260.00	304.60	250.30	274.20	15
16	17.56	71.45	-172.90	265.90	157.30	239.90	16
17	19.11	76.11	-182.60	304.60	162.10	283.90	17
18	43.97	54.37	-13.44	473.80	-9.22	484.70	18
19	54.84	65.24	5.91	483.40	-33.66	499.30	19
20	64.14	71.45	-3.78	551.10	-28.78	543.40	20
21	96.78	94.75	5.94	667.10	-53.25	665.80	21
22	137.20	116.50	-255.20	976.50	240.50	1018.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163  
TORGW 21500 TCCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
1	-304.70	472.30	-166.00	755.40	-408.00	146.30	1
2	-291.00	458.60	-139.30	675.40	-434.60	160.40	2
3	-482.70	499.70	-59.31	826.50	-546.50	236.30	3
4	-427.90	499.70	-59.31	737.60	-526.20	253.50	4
5	-448.50	533.90	-690.30	782.10	-538.70	259.70	5
6	-475.80	520.20	38.44	764.30	-545.70	258.90	6
7	-647.00	828.20	598.30	1769.00	-475.30	329.30	7
8	-544.30	711.80	-637.00	817.60	-433.00	371.60	8
9	-742.80	1184.00	-965.80	1609.00	-386.90	417.70	9
10	-735.90	1273.00	-1232.00	1946.00	-364.20	440.40	10
11	-763.30	1246.00	-1135.00	1920.00	-355.60	449.00	11
12	-790.70	1273.00	-1072.00	2177.00	-360.30	444.30	12
13	58.06	438.10	136.20	915.40	-203.10	144.70	13
14	3.28	520.20	-59.31	1058.00	-288.30	183.10	14
15	188.10	636.50	-192.60	1191.00	-344.70	298.80	15
16	3.28	397.00	11.78	488.80	-336.00	426.30	16
17	-37.78	533.90	-41.53	844.30	-274.20	294.10	17
18	-503.20	698.20	-494.80	888.70	-452.60	352.00	18
19	-510.10	746.10	-459.20	1013.00	-453.40	351.20	19
20	-523.80	814.50	-485.90	1022.00	-426.80	377.80	20
21	-530.60	862.40	-779.20	1315.00	-387.70	417.00	21
22	-777.00	1478.00	-592.60	2266.00	-325.10	479.50	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163

TWGW 21500 TCCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
1	19.59	31.13	-278.70	316.10	-221.70	268.10	1
2	20.18	32.89	-293.30	301.50	-260.70	277.80	2
3	37.21	42.88	-298.10	345.30	-265.50	282.70	3
4	14.30	32.90	-356.50	335.50	-465.40	268.10	4
5	40.15	44.64	-337.00	364.70	-392.30	341.30	5
6	42.50	48.17	-803.80	656.50	-567.70	497.20	6
7	26.05	121.00	-833.00	637.00	-718.80	599.60	7
8	61.88	59.33	-536.40	291.80	-436.10	297.40	8
9	147.00	150.30	-808.70	457.10	-645.70	458.20	9
10	149.40	163.30	-808.70	709.90	-757.80	502.10	10
11	132.90	158.60	-867.10	719.70	-684.70	497.20	11
12	145.30	202.60	-881.70	802.30	-874.80	560.60	12
13	1.38	17.62	-74.44	325.80	-99.78	312.00	13
14	21.94	45.23	-30.69	272.30	-12.03	302.20	14
15	30.16	44.06	-50.13	311.20	-16.91	336.30	15
16	3.73	19.97	-11.22	243.20	-7.16	258.30	16
17	60.12	56.39	-220.30	277.20	70.84	277.80	17
18	58.95	59.91	-482.90	306.30	-382.50	263.30	18
19	63.06	79.30	-473.20	364.70	-377.60	248.60	19
20	63.64	86.94	-585.00	359.80	-455.60	316.90	20
21	97.71	112.80	-677.40	403.60	-519.00	399.70	21
22	172.90	237.30	-779.50	826.70	-801.70	585.00	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163  
TORGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
1	-341.30	536.10	-232.60	842.40	-229.30	148.80	1
2	-354.90	522.50	-268.10	854.30	-318.40	198.80	2
3	-287.00	576.80	-173.20	949.20	-432.10	452.90	3
4	-504.20	576.80	-268.10	901.70	-345.50	258.50	4
5	-544.30	604.00	479.30	1388.00	-236.90	397.50	5
6	-897.80	1065.00	-1205.00	1222.00	-606.20	497.40	6
7	-911.30	1364.00	1061.00	2824.00	-456.30	647.30	7
8	-599.20	726.10	-374.90	1388.00	-303.10	383.40	8
9	-348.10	1398.00	-908.80	1803.00	-409.60	691.80	9
10	-273.50	1527.00	-552.90	2468.00	-387.90	715.70	10
11	-375.30	1561.00	-529.20	2373.00	-367.30	736.30	11
12	-395.60	1663.00	-861.40	2397.00	-353.10	750.40	12
13	160.80	631.10	-481.70	1020.00	-137.00	110.80	13
14	45.47	624.30	-66.44	1246.00	-145.70	106.40	14
15	147.30	576.80	-208.80	1317.00	-169.60	132.50	15
16	72.63	461.40	-327.40	771.20	-96.40	253.00	16
17	31.91	610.70	-385.10	972.30	-139.20	171.60	17
18	-592.40	732.90	-303.80	1341.00	-242.50	341.00	18
19	-667.10	780.40	-208.80	1388.00	-279.30	357.30	19
20	-653.50	807.50	-351.20	1531.00	-312.90	438.80	20
21	-734.90	316.10	-730.80	1602.00	-330.30	621.20	21
22	-327.80	1676.00	-256.30	2575.00	-357.50	746.10	22



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163

TNGW 21500 TCCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49250SDY	43250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
1	-111.60	260.50	8.41	61.37	-166.30	270.10	1
2	-103.70	268.40	24.56	51.68	-159.00	262.80	2
3	-87.91	284.20	24.56	74.29	-64.13	313.80	3
4	-111.60	292.00	27.79	77.52	-129.80	306.50	4
5	-72.09	268.30	66.55	106.60	-217.40	321.20	5
6	-111.60	402.50	39.09	121.10	-326.90	445.20	6
7	-135.30	726.10	111.70	167.90	-305.00	613.10	7
8	-95.78	402.50	69.78	71.06	-180.90	430.60	8
9	-182.60	568.30	79.47	93.67	-217.40	744.40	9
10	-151.10	615.60	77.86	101.30	-239.30	853.90	10
11	-206.30	639.30	81.09	111.40	-246.60	846.60	11
12	-190.50	718.30	76.24	113.10	-283.10	912.30	12
13	38.38	189.40	5.18	25.84	-115.30	160.60	13
14	22.59	173.70	26.17	33.92	-56.84	262.70	14
15	-32.63	197.30	18.10	38.76	-64.13	226.30	15
16	-40.53	157.80	1.95	35.53	-115.30	189.80	16
17	-16.84	323.60	3.56	69.45	-64.13	284.60	17
18	-87.91	394.70	63.32	71.06	-86.03	467.10	18
19	-72.09	426.20	64.94	72.68	-144.40	408.70	19
20	-64.22	449.90	66.55	77.52	-166.30	445.20	20
21	-64.22	481.50	77.86	92.06	-188.20	613.10	21
22	-198.40	663.00	77.86	169.60	-173.60	788.20	22

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CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163  
TGW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
1	-140.20	259.20	-9.89	47.78	1
2	-187.30	259.20	4.85	53.09	2
3	-226.50	282.80	-11.66	56.63	3
4	-242.30	329.90	7.21	58.99	4
5	-77.31	400.60	-19.33	73.74	5
6	-320.80	644.10	-16.38	73.15	6
7	-360.10	620.60	-5.77	95.57	7
8	-116.60	471.30	27.86	63.12	8
9	-265.80	762.00	42.61	79.05	9
10	-305.10	848.40	55.00	79.64	10
11	-163.70	848.30	27.27	83.77	11
12	-289.40	958.30	32.58	87.90	12
13	-85.16	204.20	36.12	64.30	13
14	-61.59	196.40	21.37	62.53	14
15	-69.44	219.90	33.76	80.82	15
16	-38.03	157.10	14.29	60.17	16
17	-69.47	314.20	33.76	76.10	17
18	-132.30	424.20	28.45	56.63	18
19	-116.60	408.50	53.82	70.20	19
20	-116.60	518.40	59.13	81.41	20
21	-132.30	659.80	67.38	89.67	21
22	-148.00	848.40	52.05	106.20	22

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41250SDY	41250ALT	41320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-278.50	399.50	-195.60	332.90	-174.50	312.10	2
3	-380.30	579.70	-443.40	487.80	-556.80	553.90	3
4	-490.00	783.40	-497.60	650.40	-627.00	639.70	4
5	-270.60	344.70	-195.60	301.90	-174.50	280.80	5
6	-286.30	391.70	-203.40	325.20	-174.50	312.10	6
7	-278.50	399.50	-195.60	332.90	-166.70	319.90	7
8	-317.60	501.40	-218.90	402.60	-174.50	390.10	8
9	-278.40	383.90	-203.40	325.20	-158.90	312.10	9
10	-309.80	446.50	-187.90	371.70	-158.80	343.30	10
11	-325.50	509.20	-180.10	394.90	-182.30	397.90	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	44.06	46.43	-10.91	454.30	-7.13	485.90	2
3	206.50	162.50	8.44	560.70	169.60	633.10	3
4	195.70	201.20	-112.40	700.90	307.00	790.20	4
5	45.61	38.69	-35.09	333.50	12.50	387.80	5
6	51.80	47.97	-30.22	406.00	-12.03	451.50	6
7	37.87	46.43	-30.25	444.70	-12.03	490.80	7
8	65.73	58.81	-20.56	541.40	-36.59	574.20	8
9	65.73	46.43	-25.41	401.20	-12.03	461.30	9
10	64.18	54.17	-10.88	483.40	-36.59	525.20	10
11	62.64	58.81	3.63	555.90	-36.59	574.20	11



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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TEGW 20800 TACG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-505.70	664.60	6.03	953.70	-410.40	311.00	2
3	-478.30	774.20	-56.38	1480.00	-350.00	462.20	3
4	-759.20	863.30	-760.50	1489.00	-368.10	444.20	4
5	-457.80	548.10	-323.80	927.00	-340.60	175.50	5
6	-540.00	630.30	-412.90	1016.00	-385.30	245.20	6
7	-519.40	678.30	-430.70	998.30	-392.30	294.60	7
8	-567.40	781.10	-751.60	1087.00	-408.00	404.20	8
9	-505.70	637.20	-314.80	1132.00	-367.30	239.70	9
10	-567.40	726.30	-421.80	1168.00	-390.00	322.00	10
11	-574.20	301.70	-653.60	1257.00	-424.50	387.80	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	50.84	67.26	-579.80	287.40	-442.00	273.80	2
3	128.50	128.60	-1145.00	1067.00	-1130.00	314.40	3
4	105.80	142.10	-1427.00	1398.00	-1474.00	846.00	4
5	43.24	67.84	-492.20	365.30	-353.90	205.40	5
6	49.67	71.94	-560.40	355.60	-437.10	220.10	6
7	52.60	69.01	-560.40	316.60	-446.80	229.80	7
8	79.50	85.39	-609.10	492.00	-564.20	337.40	8
9	59.62	93.57	-501.90	384.80	-397.90	229.80	9
10	69.54	91.82	-623.70	341.00	-471.30	244.50	10
11	88.86	106.40	-706.50	394.60	-544.60	317.90	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TCGW 20800 TCCR 9.7 AFT FLIGHT DATE 10/06/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT
2	-727.40	322.80	-182.80	1352.00	-334.80	400.3
3	-823.40	1979.00	457.00	4648.00	-468.30	627.0
4	-1020.00	2325.00	500.00	4700.00	-480.20	480.6
5	-673.00	754.80	-52.34	1174.00	-307.70	282.0
6	-727.40	863.50	-135.30	1352.00	-326.20	363.4
7	-707.00	856.80	-194.60	1435.00	-337.00	411.1
8	-489.40	1469.00	410.10	2205.00	-537.70	557.6
9	-700.20	849.90	89.94	1411.00	-315.30	367.7
10	-754.60	917.90	-40.47	1518.00	-331.60	460.0
11	-802.20	992.80	-218.30	1696.00	-343.50	580.4

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TSGW 20800 TCCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	-130.20	479.80	58.16	61.29	-127.00	476.20	2
3	-413.40	904.60	213.00	274.20	-696.80	765.00	3
4	-735.90	1148.00	222.70	235.50	-720.30	835.30	4
5	-138.10	409.10	48.48	61.29	-244.10	374.70	5
6	-145.90	464.10	61.38	61.29	-205.10	429.30	6
7	-130.20	464.10	48.48	61.29	-173.90	444.90	7
8	-153.80	550.60	66.22	82.26	-228.50	562.00	8
9	-106.60	472.00	58.16	64.52	-189.50	429.30	9
10	-114.50	527.00	51.71	67.74	-158.20	476.20	10
11	-75.16	534.90	69.45	85.49	-259.70	671.30	11



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166  
TORG 20800 TORG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49660SDY	69660ALT	49670SDY	49670ALT	EVENT
2	-117.90	493.80	31.20	70.14	2
3	-745.00	917.10	2.91	221.00	3
4	-737.20	1066.00	6.41	267.00	4
5	-125.80	391.90	21.18	56.59	5
6	-110.10	454.60	33.56	73.68	6
7	-117.90	509.50	41.22	78.98	7
8	-243.40	713.30	44.76	88.41	8
9	-86.59	446.80	58.90	74.27	9
10	-117.90	572.20	68.93	90.18	10
11	-110.10	642.80	74.82	102.00	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TMGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
4	-191.40	234.90	262.30	603.90	-113.10	140.50	4
5	-324.50	368.00	-256.40	348.40	-206.70	327.80	5
6	-434.20	446.30	-155.80	510.90	-370.70	569.80	6
7	-512.50	602.90	-465.50	665.80	-464.30	538.60	7
8	-551.60	736.10	-589.30	774.20	-292.60	897.70	8
9	-371.50	368.00	-271.90	379.30	-261.40	366.90	9
10	-582.90	1065.00	-620.30	929.00	-448.70	1147.00	10
11	-332.40	281.90	-256.40	286.40	-238.00	265.40	11
12	-277.60	352.40	-194.50	301.90	-183.30	288.80	12
13	-238.40	266.20	-155.80	278.70	-113.10	249.80	13
15	-42.66	54.84	22.25	54.19	50.84	54.66	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TAGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
4	218.90	224.40	-305.40	294.80	316.80	279.80	4
5	61.04	47.99	-20.28	406.00	17.34	422.20	5
6	64.14	66.56	-194.30	599.30	159.70	672.40	6
7	107.50	103.70	-638.90	792.60	684.90	824.60	7
8	64.14	144.00	-348.90	1276.00	390.40	1423.00	8
9	71.88	61.92	-29.94	338.30	17.34	382.80	9
10	95.07	212.10	-1040.00	1503.00	1151.00	1585.00	10
11	54.85	60.37	-102.40	236.80	130.20	260.20	11
12	62.59	68.11	-25.09	256.20	51.72	279.80	12
13	33.18	44.89	-54.09	246.50	174.40	265.10	13
15	-10.16	17.03	13.59	82.16	-21.94	88.38	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TGGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
4	111.00	431.70	165.50	722.20	-210.60	374.50	4
5	-526.20	616.70	-360.60	820.30	-429.20	253.10	5
6	-724.90	774.30	245.70	1498.00	-517.00	295.40	6
7	-800.30	1028.00	539.90	2077.00	-440.20	372.20	7
8	-478.30	1569.00	932.20	2702.00	-307.00	505.40	8
9	-492.00	568.70	-93.13	1016.00	-366.60	206.10	9
10	-293.30	2672.00	1173.00	2550.00	-443.30	369.00	10
11	-327.50	555.00	40.63	668.70	-457.40	207.60	11
12	-348.10	493.30	31.69	677.60	-491.10	216.30	12
13	-238.40	493.30	76.28	686.50	-367.30	152.00	13
15	-32.88	191.90	94.13	240.80	70.64	43.09	15



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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TGGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
4	1.66	39.19	-151.00	229.00	-178.20	244.50	4
5	58.39	60.83	-686.80	492.00	-613.40	542.80	5
6	50.79	84.81	-677.10	599.20	-716.10	616.20	6
7	44.94	108.20	-1252.00	1047.00	-853.00	665.10	7
8	53.71	150.90	-925.60	662.50	-769.90	846.00	8
9	54.88	67.85	-979.20	803.80	-652.50	552.60	9
10	-7.75	328.10	-1773.00	1715.00	-1122.00	982.90	10
11	27.39	42.70	-482.30	375.10	-408.00	337.40	11
12	29.73	42.70	-311.80	341.00	-378.70	308.10	12
13	27.98	30.41	-550.50	345.90	-491.10	322.80	13
15	8.09	24.56	9.78	126.70	90.78	112.50	15

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TORGW 25000 TORG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
4	147.00	449.10	-359.70	841.80	-173.30	290.70	4
5	-696.60	1211.00	1039.00	2478.00	-469.40	625.90	5
6	-737.50	1374.00	2474.00	3059.00	-396.80	698.60	6
7	-1289.00	2687.00	2450.00	3747.00	-342.50	752.80	7
8	-302.00	1769.00	2770.00	3047.00	-379.40	716.00	8
9	-1050.00	1701.00	1999.00	2893.00	-379.40	716.00	9
10	-1337.00	3565.00	4490.00	6331.00	-329.50	765.90	10
11	-111.50	1007.00	422.90	1506.00	-420.60	512.00	11
12	-404.10	646.30	-525.70	913.00	-349.00	299.40	12
13	-424.50	585.10	19.72	794.40	-447.70	378.60	13
15	-43.50	231.30	55.28	426.80	76.23	67.26	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167

TMGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
4	-115.70	181.00	12.96	48.39	-118.30	218.60	4
5	-241.70	747.50	74.26	158.10	-321.30	468.30	5
6	-532.80	960.00	104.90	162.90	-844.30	1038.00	6
7	-768.80	1054.00	196.80	212.90	-891.10	1101.00	7
8	-249.50	975.80	75.86	191.90	-477.40	702.50	8
9	-564.30	991.50	103.30	164.50	-641.30	804.00	9
10	-1280.00	1708.00	284.00	325.80	-1281.00	1694.00	10
11	-155.10	503.60	29.09	135.50	-266.60	382.50	11
12	-163.00	275.40	19.42	83.88	-274.40	296.60	12
13	-170.80	346.30	38.77	67.75	-243.20	359.10	13
15	73.13	55.06	-14.46	20.97	6.56	62.44	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167  
TOW 25000 TDCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	A9660SDY	69660ALT	A9670SDY	A9670ALT	EVENT
4	-78.63	235.20	15.90	59.53	4
5	-258.90	478.20	21.20	90.77	5
6	-337.30	760.40	21.20	126.10	6
7	-745.00	1686.00	27.09	133.20	7
8	-117.80	964.30	22.97	126.70	8
9	-549.00	909.40	17.66	123.80	9
10	-1121.00	2046.00	61.28	160.30	10
11	-117.80	446.90	19.43	124.40	11
12	-251.10	329.30	13.54	64.24	12
13	-227.60	399.80	-25.95	56.58	13
15	-15.91	62.72	20.02	21.22	15



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# FLIGHT LOADS

## CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TORGW 20800 TBCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	41250SDY	41250ALT	61320SDY	61320ALT	41330SDY	41330ALT	EVENT
2	-107.00	95.00	91.28	94.47	69.56	94.63	2
3	-289.10	292.90	-129.20	251.90	-119.70	236.60	3
4	-320.80	372.10	-129.20	314.90	-127.60	291.80	4
5	-312.80	395.80	-121.30	307.00	-127.60	291.80	5
6	-320.70	403.70	-137.00	322.80	-119.70	299.70	6
7	-415.70	498.70	-176.40	409.40	-198.50	394.30	7
8	-304.90	340.40	-137.00	291.30	-151.20	283.90	8
9	-273.30	324.60	-137.00	291.30	-111.80	291.80	9
10	-273.30	292.90	-137.00	259.80	-127.50	260.20	10
11	-304.90	387.90	-129.20	330.70	-135.40	299.60	11
12	-328.70	427.50	-137.00	338.50	-143.30	323.30	12
13	-304.90	403.70	-129.20	346.40	-119.70	299.70	13
14	-368.20	467.00	-129.10	377.90	-167.00	362.70	14
15	-249.50	205.80	-18.94	188.90	-48.69	181.40	15
16	-273.30	245.40	-34.69	220.40	-56.56	236.60	16
17	-289.10	229.60	-66.19	204.70	-72.34	205.00	17
18	-281.20	269.20	-113.40	236.20	-159.10	244.50	18
19	-273.20	356.20	-129.20	299.20	-143.30	291.80	19
20	-312.80	427.50	-129.20	346.40	-119.70	331.20	20
21	-328.70	427.50	-137.00	338.50	-127.60	323.30	21
22	-312.80	506.60	-152.80	385.80	-151.20	378.50	22
23	-368.30	577.90	-200.00	480.30	-167.00	473.10	23
24	-297.00	395.80	-121.30	322.80	-127.50	307.50	24
25	-297.00	474.90	-168.50	385.80	-135.40	362.80	25
26	-312.80	585.80	-129.20	488.10	-151.20	425.80	26
27	-399.90	609.50	-223.60	519.60	-206.40	512.50	27
28	-209.90	261.20	-74.03	244.00	-64.47	228.70	28
29	-257.40	277.00	-66.16	251.90	-56.56	236.60	29
30	-194.10	277.10	-74.03	275.50	-80.22	260.20	30
31	-194.10	277.10	-66.16	251.90	-80.25	244.40	31
32	-178.30	213.80	4.69	196.80	-25.06	189.30	32
33	-138.70	253.30	28.31	204.70	-1.41	212.90	33
34	-257.40	498.70	-97.66	409.30	-111.80	386.40	34
35	-368.30	435.40	-160.60	362.10	-206.40	354.80	35
36	-281.20	490.80	-89.81	401.50	-96.00	386.40	36
37	-273.30	419.60	-137.00	354.30	-103.90	331.20	37
38	-289.10	435.40	-121.30	354.30	-135.40	331.20	38
39	-360.30	664.90	-184.30	574.70	-167.00	552.00	39
40	-304.90	387.90	-121.30	322.80	-143.30	307.50	40
41	-281.20	411.60	-113.40	330.70	-111.80	307.50	41
42	-360.30	585.80	-168.50	480.20	-190.60	465.30	42
43	-399.90	641.20	-215.80	527.40	-245.80	520.40	43
44	-415.80	641.20	-223.60	582.60	-230.10	520.40	44
45	-162.40	277.10	-18.94	267.70	-32.91	212.90	45
46	-43.66	79.16	83.41	70.84	69.59	63.09	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TUGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	41340SDY	41340ALT	43010SDY	43010ALT	43020SDY	43020ALT	EVENT
2	-12.62	31.86	111.80	159.90	-20.28	176.40	2
3	51.09	38.23	29.41	271.40	18.91	313.60	3
4	55.87	52.56	29.41	387.70	23.81	416.50	4
5	63.84	50.97	10.00	416.80	-6.69	450.80	5
6	59.06	52.56	48.75	426.50	-15.41	455.70	6
7	95.69	82.83	29.38	465.30	-10.50	490.00	7
8	62.24	49.38	43.91	334.40	-10.47	372.40	8
9	44.72	44.60	87.56	339.30	-5.59	347.90	9
10	51.09	41.41	48.78	271.40	-6.69	303.80	10
11	55.87	49.38	39.06	416.80	-10.50	441.00	11
12	73.39	54.16	29.38	445.90	-15.38	485.10	12
13	63.84	54.16	53.59	441.00	-15.41	455.70	13
14	84.54	65.30	29.38	474.90	-10.50	509.60	14
15	33.57	90.79	121.50	227.80	-44.81	230.30	15
16	35.16	121.10	136.00	232.60	-30.09	245.00	16
17	55.87	84.42	-38.47	261.70	112.00	279.30	17
18	52.69	78.05	-48.16	300.50	146.30	303.80	18
19	60.65	50.97	43.94	363.50	4.22	396.90	19
20	62.24	55.75	34.22	460.40	-10.47	480.20	20
21	52.69	52.56	58.47	455.60	-30.09	490.00	21
22	65.43	55.75	39.09	513.70	-30.09	548.80	22
23	86.13	76.46	58.47	601.00	-59.50	656.60	23
24	60.65	47.78	43.94	392.60	4.22	436.10	24
25	65.43	55.75	73.00	508.90	-35.00	524.30	25
26	65.43	65.30	43.94	605.80	-10.47	627.20	26
27	105.30	86.01	58.47	610.70	-39.91	637.00	27
28	43.13	39.82	48.75	242.30	18.91	245.00	28
29	36.76	39.82	34.22	227.80	-6.69	254.80	29
30	47.91	47.78	39.06	242.30	4.22	259.70	30
31	41.54	44.60	24.53	237.50	4.22	249.90	31
32	59.06	49.38	-154.80	242.30	224.70	254.80	32
33	62.24	62.12	-62.72	237.50	156.10	264.60	33
34	86.13	70.08	82.69	537.90	-49.69	568.40	34
35	95.69	57.34	34.25	402.30	-25.19	455.70	35
36	67.02	54.16	34.22	547.70	4.22	592.90	36
37	57.46	50.97	48.75	436.20	-15.38	485.10	37
38	63.84	54.16	34.22	470.10	-10.50	499.80	38
39	94.10	81.23	48.75	678.50	-54.59	730.10	39
40	59.06	52.56	53.63	402.30	-15.41	436.10	40
41	57.46	50.97	34.22	431.30	-15.38	475.30	41
42	98.88	70.08	43.94	596.10	-44.81	632.10	42
43	100.50	84.42	29.38	630.10	-15.38	671.30	43
44	110.00	97.16	39.09	601.00	4.19	622.30	44
45	24.02	106.70	-116.00	397.40	170.80	396.90	45
46	-1.47	17.52	102.10	92.09	-35.00	93.13	46

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TCGW 20800 TCCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	43030SDY	43030ALT	43040SDY	43040ALT	63050SDY	63050ALT	EVENT
2	-46.69	322.00	265.40	497.80	19.41	90.82	2
3	-313.90	465.90	-303.50	711.10	-344.70	176.20	3
4	-409.80	575.50	-365.80	862.30	-444.90	309.30	4
5	-368.70	589.20	-508.00	826.70	-451.10	360.90	5
6	-375.60	582.30	-561.30	862.20	-448.00	367.20	6
7	-437.20	589.20	-899.10	1093.00	-438.60	381.30	7
8	-375.50	554.90	-339.10	835.60	-392.40	266.20	8
9	-402.90	596.00	-259.10	862.30	-361.10	255.30	9
10	-279.60	472.70	-232.40	728.90	-361.90	166.80	10
11	-355.00	589.20	-348.00	897.80	-471.50	348.40	11
12	-409.80	616.60	-676.90	835.60	-441.00	379.00	12
13	-403.00	609.70	-392.40	942.20	-443.30	367.20	13
14	-382.40	630.30	-810.20	951.10	-434.70	385.20	14
15	-94.66	561.80	-1.28	657.80	-113.70	175.40	15
16	-80.97	657.70	25.38	684.40	-195.10	184.80	16
17	-5.59	650.80	247.60	800.00	-281.30	189.50	17
18	1.25	726.20	7.59	666.70	-366.60	231.00	18
19	-361.80	596.00	-223.50	951.10	-366.60	257.60	19
20	-409.80	671.40	-330.20	933.30	-437.80	382.10	20
21	-389.30	691.90	-508.00	968.90	-444.90	375.00	21
22	-382.40	726.20	-570.20	1013.00	-414.40	405.60	22
23	-423.50	822.10	-694.60	1191.00	-379.10	440.80	23
24	-409.80	657.70	-330.20	1058.00	-390.90	267.80	24
25	-450.90	726.20	-534.60	1102.00	-459.00	354.70	25
26	-450.90	904.30	-1050.00	1209.00	-400.30	419.70	26
27	-464.60	863.20	-1139.00	1298.00	-395.60	424.40	27
28	-156.30	486.40	194.30	800.00	-343.10	162.10	28
29	-149.50	479.50	167.60	755.60	-311.00	161.30	29
30	-74.09	486.40	247.60	871.10	-309.40	197.30	30
31	-87.81	513.80	123.20	924.50	-272.70	191.80	31
32	-12.44	561.80	60.94	791.10	-312.60	209.90	32
33	-26.13	493.30	300.90	942.30	-281.30	216.10	33
34	-423.50	822.10	-348.00	1200.00	-412.00	407.90	34
35	-382.40	657.70	-623.50	1067.00	-525.50	294.40	35
36	-389.20	801.50	-428.00	1067.00	-446.50	373.50	36
37	-382.40	712.50	-365.70	1058.00	-417.50	322.60	37
38	-409.80	739.90	-436.80	1040.00	-424.50	337.50	38
39	-512.60	952.30	-1104.00	1369.00	-390.10	429.90	39
40	-389.30	623.40	-285.70	977.80	-432.30	284.20	40
41	-423.50	657.70	-454.60	968.90	-417.50	332.00	41
42	-430.30	774.20	-1059.00	1182.00	-385.40	434.50	42
43	-396.10	822.10	-1139.00	1298.00	-373.60	446.30	43
44	-512.50	787.80	-1130.00	1484.00	-432.40	387.60	44
45	-80.94	726.20	-45.72	844.50	-312.60	382.10	45
46	1.25	191.80	16.50	320.00	20.97	75.16	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	43640SDY	43640ALT	45010SDY	45010ALT	45020SDY	45020ALT	EVENT
2	28.49	42.66	86.38	229.40	137.00	219.40	2
3	40.18	45.00	-455.30	331.80	-335.90	263.30	3
4	58.88	61.36	-631.00	575.90	-613.80	589.90	4
5	62.97	64.29	-601.70	458.70	-462.60	409.50	5
6	67.65	67.79	-631.00	605.10	-545.50	531.40	6
7	96.87	100.50	-860.40	697.90	-677.10	585.00	7
8	53.62	61.95	-767.70	790.60	-623.50	726.40	8
9	32.00	57.86	-665.20	600.30	-506.50	638.60	9
10	40.18	48.51	-499.30	483.10	-496.80	482.60	10
11	67.06	66.04	-601.70	556.30	-618.60	594.80	11
12	76.42	68.38	-679.80	614.90	-633.30	570.40	12
13	61.22	74.22	-728.60	663.70	-706.40	692.30	13
14	90.44	78.89	-811.60	707.60	-647.90	614.30	14
15	22.65	41.49	-104.00	390.40	-92.13	380.30	15
16	23.23	64.29	-94.19	419.70	-92.13	390.00	16
17	15.64	48.51	-94.19	409.90	-106.80	365.60	17
18	22.65	53.18	-221.10	585.60	-272.50	492.40	18
19	48.95	67.79	-426.00	331.80	-335.90	214.50	19
20	60.05	69.54	-689.60	527.10	-604.00	433.90	20
21	64.73	75.39	-889.70	717.40	-691.80	609.40	21
22	85.77	80.06	-787.20	575.90	-618.60	419.30	22
23	108.00	108.10	-977.50	717.40	-789.30	570.40	23
24	60.63	78.31	-445.60	341.60	-374.90	243.80	24
25	72.32	85.32	-709.10	595.40	-638.10	565.50	25
26	90.44	94.09	-796.90	390.40	-584.50	360.60	26
27	128.40	118.00	-1017.00	717.40	-735.60	536.30	27
28	27.91	37.40	-377.30	361.10	-214.00	268.10	28
29	35.51	42.66	-289.40	370.90	-214.00	277.90	29
30	30.83	43.83	-328.40	380.60	-384.60	370.50	30
31	26.14	42.66	-372.40	414.80	-379.80	424.10	31
32	47.78	31.56	-299.20	400.20	-335.90	409.50	32
33	18.56	32.73	-767.70	858.90	-613.80	677.60	33
34	69.99	102.90	-1524.00	1205.00	-1043.00	736.10	34
35	81.09	95.26	-928.70	951.60	-838.00	628.90	35
36	79.92	98.77	-606.60	571.00	-574.80	531.40	36
37	62.97	77.14	-572.40	429.40	-399.30	316.90	37
38	66.48	75.97	-592.00	331.80	-438.30	268.10	38
39	123.20	125.60	-928.70	717.40	-716.10	575.30	39
40	52.46	72.47	-528.50	434.30	-394.40	312.00	40
41	61.81	67.79	-528.50	307.50	-448.00	268.10	41
42	103.30	101.10	-660.30	595.40	-662.50	424.10	42
43	130.30	116.90	-1041.00	868.70	-877.00	589.90	43
44	151.20	138.50	-1285.00	1005.00	-984.30	745.90	44
45	17.39	51.43	-269.90	761.30	-399.30	736.10	45
46	20.90	23.38	22.94	175.70	83.38	175.50	46



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BOEING VERTOL CO PHILADELPHIA PA

CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)

1978 R AIELLO, J BENDO

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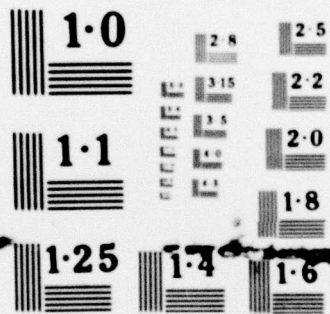


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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TCGW 20800 TCCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	45030SDY	45030ALT	45040SDY	45040ALT	45050SDY	45050ALT	EVENT
2	112.50	442.70	84.72	761.10	109.20	105.20	2
3	-452.80	653.90	703.10	1665.00	-409.10	328.60	3
4	-589.10	1199.00	667.40	2509.00	-450.30	682.00	4
5	-125.90	1090.00	524.70	2153.00	-578.20	554.10	5
6	-377.90	1260.00	382.00	2343.00	-481.70	650.60	6
7	-391.50	1710.00	49.03	2295.00	-493.60	638.60	7
8	-1032.00	1791.00	2059.00	3663.00	-280.00	852.20	8
9	-391.50	1601.00	1773.00	3044.00	-350.50	781.80	9
10	-616.30	1226.00	941.00	2260.00	-464.30	667.90	10
11	-473.30	1219.00	643.60	2533.00	-490.40	641.90	11
12	-473.30	1301.00	322.60	2545.00	-470.90	661.40	12
13	-391.50	1573.00	1238.00	2913.00	-368.90	763.30	13
14	-541.40	1560.00	988.50	2711.00	-425.30	706.90	14
15	-105.50	551.70	-319.60	1070.00	17.06	169.10	15
16	30.75	578.90	-545.60	1058.00	-87.04	292.80	16
17	51.19	572.10	-165.00	1106.00	-109.80	252.60	17
18	78.44	803.70	37.13	1261.00	-281.10	400.10	18
19	-473.30	728.80	156.10	1332.00	-264.90	334.00	19
20	-391.50	1260.00	810.10	2486.00	-521.80	610.40	20
21	-820.60	1389.00	869.60	2878.00	-375.50	756.80	21
22	-391.50	1410.00	548.50	2890.00	-517.50	614.80	22
23	-473.30	1791.00	84.69	2783.00	-418.80	713.40	23
24	-575.40	803.70	-224.50	1427.00	-293.00	342.60	24
25	-555.00	1206.00	1000.00	2628.00	-502.30	601.80	25
26	-555.00	987.60	-700.20	1784.00	-367.90	656.00	26
27	-337.10	1805.00	275.00	2878.00	-418.80	713.40	27
28	-507.30	653.90	-129.30	880.00	-475.20	535.60	28
29	-486.90	647.10	-188.80	963.30	-310.40	275.40	29
30	-391.50	715.20	-854.80	1082.00	-286.60	366.50	30
31	-514.10	660.70	-724.00	903.80	-373.30	379.50	31
32	-91.84	524.50	-260.20	844.30	-418.80	401.20	32
33	-779.80	1267.00	-1378.00	1391.00	-449.20	498.80	33
34	-1440.00	2363.00	952.50	3888.00	-361.30	770.90	34
35	-589.00	1962.00	1963.00	3425.00	-454.60	677.70	35
36	-500.50	1573.00	810.10	2890.00	-459.00	636.50	36
37	-527.80	987.60	715.00	2200.00	-633.50	468.40	37
38	-609.50	878.60	-153.20	1475.00	-316.90	418.50	38
39	-629.90	1771.00	25.25	2961.00	-425.30	706.90	39
40	-466.50	1022.00	536.60	2164.00	-608.60	506.40	40
41	-609.50	796.90	-224.50	1475.00	-319.10	418.50	41
42	-214.40	1478.00	227.40	2711.00	-436.20	696.10	42
43	-561.80	1866.00	-117.50	2747.00	-421.00	711.30	43
44	-159.90	2336.00	964.30	3734.00	-465.40	666.80	44
45	3.50	919.50	-93.69	1368.00	-454.60	677.70	45
46	112.50	320.10	179.80	380.50	28.99	111.70	46

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TSGW 20800 TSCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	49250SDY	49250ALT	49460SDY	49460ALT	49580SDY	49580ALT	EVENT
2	81.47	94.28	-15.49	24.83	-26.97	93.66	2
3	-162.10	353.50	55.68	62.89	-268.90	320.00	3
4	-232.80	628.50	120.20	144.00	-393.80	491.70	4
5	-193.50	432.10	83.81	91.03	-323.50	452.70	5
6	-201.30	597.10	102.00	142.30	-323.50	499.50	6
7	-107.10	660.00	102.00	152.30	-386.00	686.80	7
8	-193.50	950.60	67.26	213.50	-425.00	678.90	8
9	-279.90	989.90	75.53	195.30	-401.60	655.50	9
10	-154.20	675.70	72.23	125.80	-292.30	390.20	10
11	-193.50	652.10	111.90	135.70	-307.90	499.50	11
12	-232.80	659.90	125.20	142.30	-347.00	554.10	12
13	-264.20	895.70	45.75	165.50	-339.20	655.50	13
14	-193.50	793.50	97.04	167.10	-362.60	600.90	14
15	-4.94	212.10	-10.52	79.44	-151.80	218.50	15
16	-28.50	235.70	-8.87	137.40	-144.00	210.70	16
17	-20.66	243.50	-5.59	115.90	-167.50	218.50	17
18	-122.80	377.10	17.61	144.00	-190.90	351.20	18
19	-154.20	408.50	60.64	67.86	-268.90	382.40	19
20	-162.10	510.70	87.12	117.50	-331.30	507.30	20
21	-240.70	840.70	62.30	142.30	-378.20	600.90	21
22	-217.10	534.30	83.81	94.34	-362.60	600.90	22
23	-154.30	691.40	102.00	145.60	-378.20	710.20	23
24	-138.50	440.00	52.37	56.27	-245.50	405.80	24
25	-279.90	549.90	93.74	124.10	-401.60	561.90	25
26	-138.50	502.80	67.26	87.71	-237.70	678.90	26
27	-138.50	659.90	105.30	119.20	-386.00	702.40	27
28	-107.10	345.70	15.96	119.20	-245.50	312.20	28
29	-59.94	314.30	20.92	64.54	-151.80	296.50	29
30	-154.30	345.70	9.34	109.20	-214.30	374.60	30
31	-185.70	314.30	9.33	92.68	-245.50	374.60	31
32	-115.00	196.40	1.06	91.03	-222.10	241.90	32
33	-217.10	487.10	4.37	117.50	-323.50	437.00	33
34	-633.50	1233.00	161.60	261.50	-846.40	1225.00	34
35	-515.60	1069.00	75.54	155.60	-401.60	749.20	35
36	-217.10	659.90	47.40	114.20	-307.90	608.70	36
37	-154.20	471.40	72.23	79.44	-300.10	476.10	37
38	-138.50	471.40	62.30	69.51	-214.30	468.20	38
39	-162.10	762.10	75.54	145.60	-409.40	725.80	39
40	-185.70	440.00	72.23	76.13	-284.50	460.40	40
41	-162.10	447.80	55.68	66.20	-206.50	429.20	41
42	-146.40	510.70	63.95	81.10	-245.50	655.60	42
43	-177.80	777.80	88.78	135.70	-479.60	718.00	43
44	-515.60	1084.00	146.70	167.10	-659.10	975.50	44
45	-91.38	298.60	14.30	114.20	-222.10	382.40	45
46	34.31	78.56	-2.25	21.52	-19.19	70.25	46



CHECKED BY:  
DATE:

D210-11168-3  
VOLUME 11

FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177  
TSGW 20800 TSCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	49660SDY	49660ALT	49670SDY	49670ALT	EVENT
2	-9.94	101.90	11.80	40.13	2
3	-174.60	407.60	-13.58	45.44	3
4	-182.40	556.50	-18.30	78.49	4
5	-237.30	485.90	7.67	63.14	5
6	-245.10	540.80	-7.09	64.91	6
7	-245.10	775.90	-5.91	83.80	7
8	-268.60	940.50	-16.53	175.90	8
9	-135.40	760.30	-7.64	125.70	9
10	-166.70	462.40	-40.73	72.59	10
11	-237.30	517.30	-20.66	96.19	11
12	-198.00	572.20	-14.76	92.65	12
13	-205.90	674.00	9.44	110.90	13
14	-237.30	658.40	-5.91	109.80	14
15	-41.28	243.00	-28.33	70.82	15
16	-80.50	250.80	-18.30	72.59	16
17	21.41	258.70	-27.74	67.86	17
18	-127.50	360.50	-29.51	64.91	18
19	-41.28	399.70	-5.91	66.09	19
20	-229.40	572.20	2.35	82.62	20
21	-198.00	807.30	-1.19	133.40	21
22	-284.30	627.00	13.57	91.47	22
23	-237.30	799.40	-15.35	110.90	23
24	-64.81	438.90	4.13	73.77	24
25	-252.90	595.70	17.11	86.75	25
26	-72.64	713.20	31.86	100.30	26
27	-315.60	799.40	4.72	103.90	27
28	-127.50	313.50	-21.84	77.31	28
29	-127.50	313.50	-33.05	60.19	29
30	-151.00	431.10	-33.64	67.87	30
31	-245.10	384.00	-36.00	73.77	31
32	-268.60	344.80	-36.59	69.64	32
33	-292.10	697.60	-7.68	100.90	33
34	-997.50	1466.00	-3.55	187.70	34
35	-676.20	1050.00	-13.58	111.50	35
36	-190.20	595.70	17.70	93.24	36
37	-64.81	501.60	20.65	77.31	37
38	-72.63	525.10	25.37	84.39	38
39	-276.40	838.60	11.21	116.30	39
40	-252.90	470.30	11.21	70.23	40
41	-56.97	509.50	20.06	75.54	41
42	-284.30	815.10	20.06	96.78	42
43	-307.80	948.30	15.93	128.10	43
44	-464.50	1199.00	-2.37	119.20	44
45	-252.90	485.90	-5.32	95.01	45
46	-9.94	101.90	8.85	25.38	46